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IOWA

1982 STATISTICAL PROFILE

Compiled by: Iowa Development Commi

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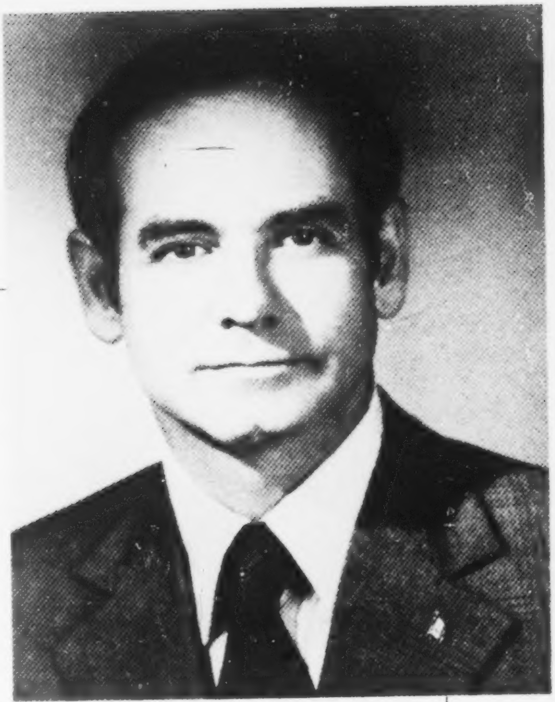

Office of the Governor
STATE CAPITOL
DES MOINES IOWA 50319

ROBERT D. RAY
GOVERNOR

Dear Friends:

The statistics, charts and graphs in this Statistical Profile of Iowa will enhance your appreciation and understanding of the State of Iowa.

Through this profile you can become more aware of Iowa's outstanding food production, strong educational system, progressive industry, and excellent work force. You will find that Iowa truly is a place to grow. This is evidenced by the accomplishments reported in this booklet.

If you need more information or have any questions, feel free to contact the Iowa Development Commission.

Sincerely,

Robert D. Ray

Robert D. Ray
Governor

IOWA

A tradition of excellence

1982
STATISTICAL PROFILE OF IOWA

Prepared by
THE IOWA DEVELOPMENT COMMISSION
250 Jewett Building
Des Moines, Iowa 50309

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definitions

Standard Metropolitan Statistical Area: An Iowa SMSA is a county or group of contiguous counties which contains at least one city of at least 50,000 inhabitants or "twin cities" with a combined population of at least 50,000. Contiguous counties are included in an SMSA if, according to certain Census Bureau criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city.

Cedar Rapids (Linn County)

Davenport-Rock Island-Moline, Iowa-Illinois
(Scott County, Iowa; Henry County, Illinois; Rock Island County, Illinois)

Des Moines (Polk County prior to release of 1972 Census information, beginning with 1972 Census information
Warren County is included as part of the Des Moines SMSA)

Dubuque (Dubuque County)

Iowa City (Johnson County)

Omaha, Nebraska-Iowa
(Douglas County, Nebraska; Sarpy County, Nebraska; Pottawattamie County, Iowa)

Sioux City, Iowa-Nebraska
(Woodbury County, Iowa; Dakota County, Nebraska)

Waterloo (Black Hawk County)

Urbanized Area: An urbanized area consists of a central city, or cities, including the closely surrounding settled territory that is urban in character, but excluding the rural portions of extended cities. Criteria for an urbanized area is as follows: a central city or cities of 50,000 or more inhabitants, incorporated places of 2,500 inhabitants, provided that the place has a closely settled area of 100 or more housing units, small areas of land having a density of 1,000 or more inhabitants per square mile, and certain other similar small areas.

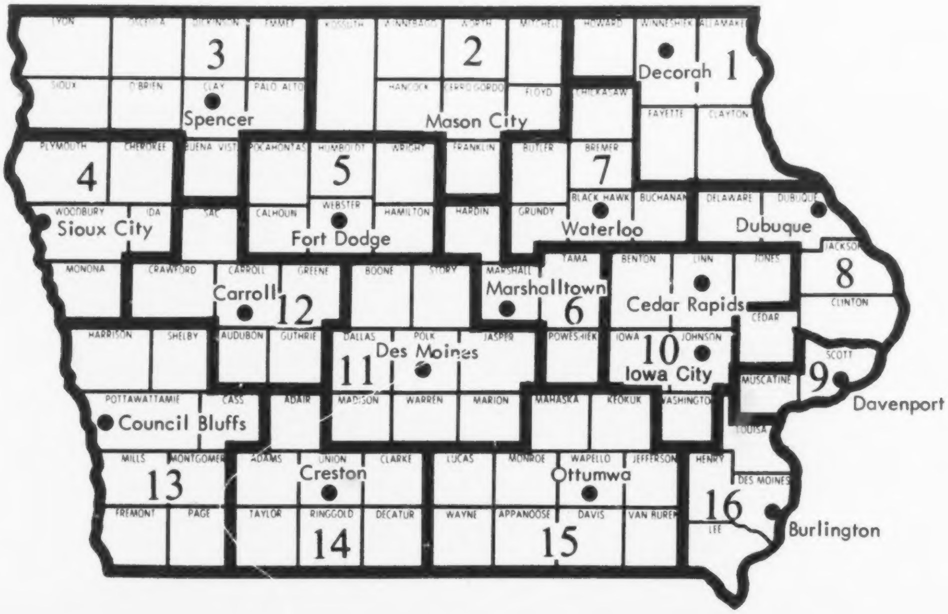
The definition of Urban Population was changed in 1950; therefore, data for Urban and Rural Population after 1950 is not strictly comparable to earlier years. Current urban population comprises all persons living in urbanized areas and in places of 2,500 inhabitants outside of urbanized areas. Rural population is all population not classifed as urban.

Incorporated Place: A political unit incorporated as a city, town, borough, or village usually recognized as a thickly settled center of population. Population changes may reflect annexations or detachments as well as the changes in number of inhabitants.

Unincorporated Places: A delineated boundary for closely settled population centers without corporate limits. A place having the same name in 1970 as in previous periods may not necessarily have the same boundary.

The Midwest: A regional area encompassing Iowa, Minnesota, South Dakota, Nebraska, Kansas, Missouri, Illinois and Wisconsin.

Iowa's 16 multi-county program planning areas.



LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
3
2
Decorah
1
SIOUX
O'BRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
Spencer
Mason City
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
4
5
7
WOODBURY
IDA
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
Sioux City
Fort Dodge
Waterloo
Dubuque
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
JACKSON
8
Carroll
12
Marshalltown
6
Cedar Rapids
CLINTON
CEDAR
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
SCOTT
10
Iowa City
9
Davenport
11
Des Moines
MUSCATINE
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
Council Bluffs
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
Creston
Ottumwa
DES MOINES
13
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
16
Burlington
LEE
14
15

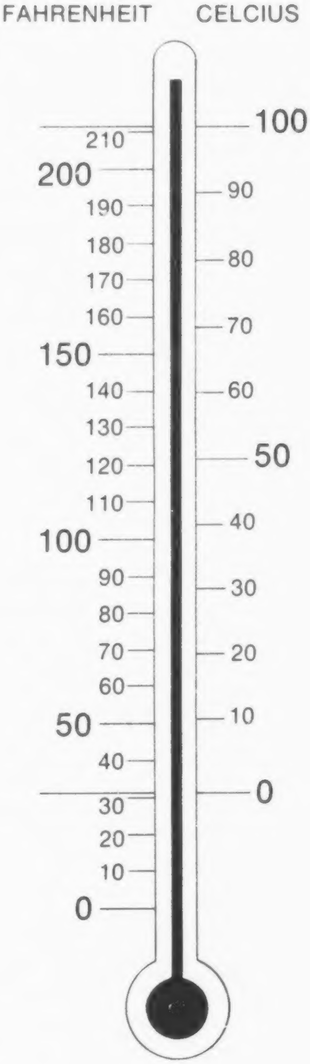
metric conversion table

In the metric system, temperature is measured in degrees Celsius. Water freezes at 0 degrees Celsius and boils at 100 degrees Celsius.

If the temperature outside were 20 degrees Fahrenheit, you'd need to wear a heavy winter coat, but 20 degrees Celsius is good corn planting weather. Normal body temperature is 37 degrees Celsius or 98.6 degrees Fahrenheit.

Degrees Celsius = 5/9 × (Degrees Fahrenheit − 32)

Degrees Fahrenheit = 9/5 × C° + 32



Length

to Metric	from Metric
1 inch = 2.54 centimeters	1 millimeter = 0.039 inch
1 foot = 0.3048 meter	1 centimeter = 0.3937 inch
1 yard = 0.9144 meter	1 meter = 3.281 feet
1 mile = 1.6093 kilometers	1 kilometer = 0.6214 mile
Weight	
1 ounce = 28.35 grams	1 gram = 0.0353 ounce
1 pound = 0.4536 kilogram	1 kilogram = 2.205 pounds
1 short ton = 0.9072 metric ton	1 metric ton = 1.1023 short tons
Volume	
1 cubic inch = 16.39 milliliters	1 milliliter = 0.06 cubic inch
1 quart = 0.9463 liter	1 liter = 1.0567 quarts
1 gallon = 3.785 liters	1 cubic meter = 1.308 cubic yards
1 cubic yard = 0.7646 cubic meter	1 hectare = 2.47 acres
1 acre = 0.405 hectare	

In other words:

- the length of an average kernel of field corn is approximately 1 centimeter.
- the diameter of the wire in a paper clip is approximately 1 millimeter.
- when you're traveling 55 mph, you're also traveling at 88 kilometers/h.
- three kernels of corn equal 1 gram (454 grams equal 1 pound).
- a 1,100 pound steer equals a 500 kilogram steer.
- a 220 pound market hog also weighs 100 kilograms.
- approximately 40 bushels of corn are equal to 1 metric ton.
- a yield of 159 bushels of corn per acre is equal to a yield of 10 metric tons per hectare.

IOWA

A tradition of excellence

ECONOMIC SECTORS

Iowa farming outproduces the rest

Iowa farmers produced more than $10 billion in crops and livestock in 1980—25% of America's pork and 12% of the nation's grain fed beef.

Iowa ranked first in corn production (1.73 billion bushels) and second in soybean production (342 million bushels) in 1981. In addition, Iowa had the highest value of agricultural land and buildings ($70 billion) in the nation in 1980.

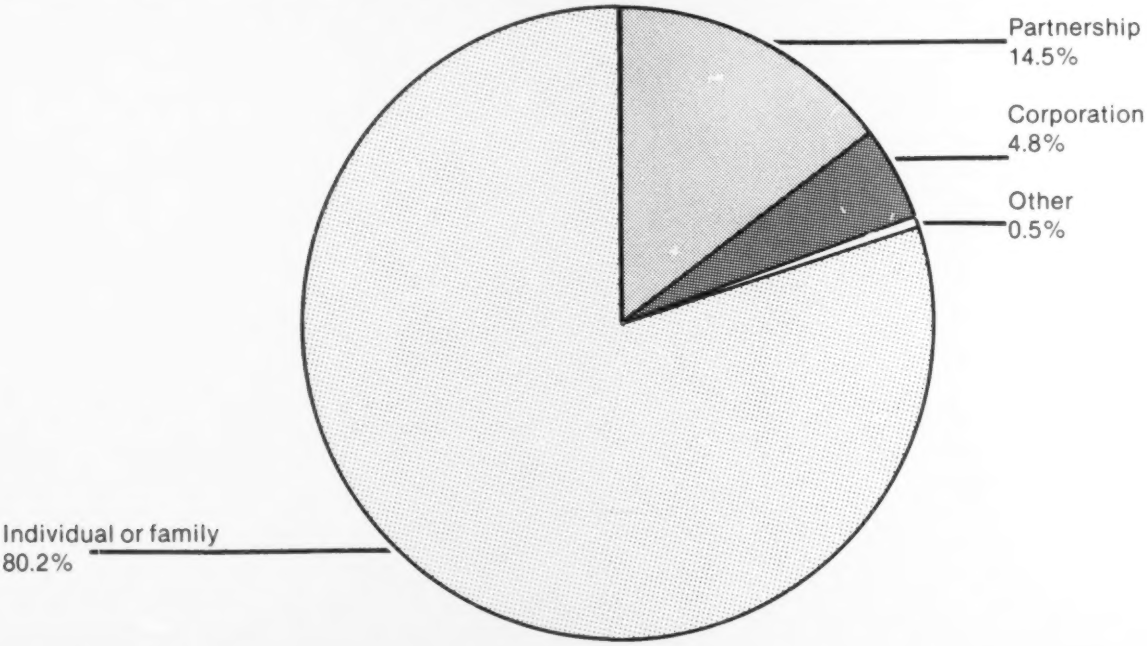
Iowa is truly the heartland of American agriculture.

characteristics of Iowa farmers

Operators by age group	1969	1974	1978
Under 25 years	3,600	4,280	7,104
25 to 34 years	18,734	15,835	20,930
35 to 44 years	31,235	24,153	24,753
45 to 54 years	39,255	33,668	30,983
55 to 64 years	33,543	31,404	29,596
65 years and over	14,347	15,355	13,090
Average age	48.5	49.3	47.2

Source: 1978 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.

Iowa farms by type of organization, 1978



Source: 1978 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.

realized gross and net income from farming, Iowa (millions)

Year	Cash Receipts From Farm Marketings	Realized Gross Income: Government Payments	Realized Gross Income: Non-money Income	Realized Gross Income: Other Farm Income	Realized Gross Farm Income	Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventories	Total Net Farm Income
1960	$ 2,480.8	$ 20.8	$132.3	$ 11.8	$ 2,645.6	$ 1,943.4	$ 702.2	89.8	612.4
1965	3,061.1	228.8	150.4	21.1	3,461.5	2,462.1	999.4	87.0	1,086.4
1966	3,475.5	210.0	162.8	23.7	3,872.0	2,836.8	1,035.2	125.0	1,160.2
1967	3,467.9	142.8	169.7	28.8	3,809.3	2,937.3	872.0	41.6	913.6
1968	3,451.5	246.3	177.9	32.3	3,907.9	3,086.9	821.0	38.8	859.8
1969	3,872.1	260.4	190.0	36.0	4,358.4	3,217.7	1,140.7	-46.6	1,094.1
1970	4,139.8	235.8	188.6	34.7	4,599.0	3,464.0	1,135.0	84.4	1,050.6
1971	3,972.1	203.5	196.0	41.3	4,412.8	3,627.0	785.9	35.6	821.4
1972	4,730.8	318.5	210.0	42.4	5,301.8	4,195.2	1,106.6	136.2	1,242.8
1973	6,989.8	186.2	234.7	52.4	7,463.1	5,112.8	2,350.8	300.1	2,650.4
1974	7,456.5	16.6	285.0	64.0	7,822.2	5,508.8	2,313.4	864.9	1,448.5
1975	6,494.5	53.1	336.1	80.6	6,964.3	5,923.8	1,040.5	591.2	1,631.7
1976r	7,090.8	N/A	407.2	88.7	7,613.5	6,544.0	1,069.5	N/A	883.1
1977r	6,896.1	28.9	537.6	101.5	7,564.1	7,054.7	509.3	362.6	872.0
1978r	8,549.2	271.0	577.1	1,111.1	9,508.4	7,982.1	1,526.3	420.8	1,947.2
1979r	9,258.7	69.2	687.3	139.1	10,154.4	9,203.9	950.4	635.4	1,585.8
1980	10,040.0	44.6	772.3	144.7	11,001.6	10,272.8	728.7	-174.3	554.4

N/A - Not Available
r Revised figures.
Source: Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics, 1980. National Economic Division, Economic Research Service, USDA.

workers, number, average size and ownership, Iowa farms[1]

Year[2]	Farm Workers (Hired & Owners)[3]	Number of Farms	Average Size (Acres)	Total Land in Farms (1,000 Acres)	Owned by Operator % of Total	Rented by Operator % of Total
1960[4]	289,000	174,707	190	33,851	45.2	54.8
1965[4]	248,000	154,162	219	33,758	45.4	54.6
1970[4]	210,000	140,354	237	33,570	50.7	49.3
1973	201,000	139,000	247	34,300	N/A	N/A
1974[5]	199,000	126,104	262	33,045	50.7	49.3
1975	213,000	130,000	262	34,100	N/A	N/A
1976	224,000	127,000	269	33,900	N/A	N/A
1977	213,000	125,000	273	33,800	N/A	N/A
1978[5]	216,000	126,456	266	33,581	46.5	53.5
1979	213,000	121,000	281	33,800	N/A	N/A
1980	192,000	119,000	286	33,800	N/A	N/A
1981[c]	130,000	118,000	286	33,800	N/A	N/A

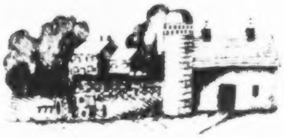
[1] A farm is defined as a place with annual receipts of $1,000 or more of agricultural products.
[2] Iowa Crop and Livestock Reporting Service, USDA.
[3] Farm Labor, Crop Reporting Board, Statistical Reporting Service, USDA.
[4] 1969 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.
[5] 1978 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.
[c] Estimated as of January 11, 1981.
N/A - Not Available

annual average wage rates[1] for selected farm workers, midwest 1980

	Field Workers	Livestock Workers	Field & Livestock Workers Combined	All Hired Farm Workers
IOWA	$3.42	$3.43	$3.43	$3.62
Minnesota	3.38	2.97	3.11	3.48
South Dakota	2.72	3.02	2.91	3.02
Nebraska	3.31	3.45	3.39	3.50
Kansas	3.56	3.53	3.55	3.76
Missouri	3.51	3.22	3.35	3.57
Illinois	3.74	3.40	3.58	3.77
Wisconsin	2.75	2.63	2.65	2.89
Indiana	3.17	3.42	3.26	3.56
Ohio	3.57	3.42	3.51	3.66
U.S.	3.57	3.25	3.45	3.66

[1] Dollars per hour.
Source: Farm Labor, February, 1981; Crop Reporting Board, Economics and Statistics Service, USDA.

ten leading states, selected agricultural items 1980



Item	Rank 1	2	3	4	5	6	7	8	9	10	Iowa % of U.S.
Number of farms[1] — 1980	Texas	IOWA	Mo.	Ill.	Minn.	N.C.	Ohio	Ky.	Wis.	Tenn.	
Value of farm real estate — 1980	N.J.	Conn.	R.I.	MD	Del.	Ill.	Ind.	Ohio	IOWA	Calif.	
Crops — 1980											
Total acreage of principal crops harvested[2]	IOWA	Ill.	Texas	Kans.	Minn.	Neb.	N.D.	S.D.	Mo.	Ind.	8
Corn for grain	IOWA	Ill.	Minn.	Neb.	Ind.	Ohio	Wis.	Mich.	S.D.	Texas	22
Corn for silage	Minn.	IOWA	Wis.	N.Y.	Neb.	Pa.	S.D.	Mich.	Kans.	Cal.	9
White corn	Ky.	Texas	Tenn.	Ind.	IOWA	Mo.	Ill.	Kans.	Ga.	Ala.	9
Popcorn	Neb.	Ind.	IOWA	Ohio	Ky.	Ill.	Mich.	Mo.	Kans.	—[3]	12
Soybeans	IOWA	Ill.	Ind.	Minn.	Mo.	Ohio	La.	Ark.	Miss.	Neb.	18
Oats	Minn.	S.D.	IOWA	Wis.	Mich.	Ohio	Pa.	N.Y.	Neb.	Ill.	14
Alfalfa hay and mixtures	Wis.	IOWA	Cal.	Minn.	Neb.	Idaho	Mich.	S.D.	N.Y.	Kans.	9
All hay	Wis.	IOWA	Cal.	Minn.	Neb.	N.Y.	Tex.	S.D.	Mo.	Idaho	6
Livestock Inventory January 1, 1981											
All cattle and calves	Texas	IOWA	Neb.	Kans.	Mo.	Okla.	Cal.	Wis.	S.D.	Minn.	6
Milk cows	Wis.	N.Y.	Cal.	Minn.	Pa.	Mich.	IOWA	Ohio	Texas	Mo.	3
Beef cows	Texas	Mo.	Okla.	Neb.	Kans.	IOWA	S.D.	Mont.	Fla.	Ark.	5
Cattle and calves on feed	Texas	Neb.	IOWA	Kans.	Colo.	Cal.	Ill.	Ariz.	Minn.	S.D.	12
All hogs — December 1, 1980	IOWA	Ill.	Minn.	Ind.	Mo.	Neb.	N.C.	Ga.	Ohio	Kans.	25
Turkey breeder hens	N.C.	Minn.	Texas	Cal.	Mo.	Va.	Ohio	IOWA	Pa.	Ore.	2
Livestock Production in 1980											
Cattle and calf production	Texas	Neb.	IOWA	Kans.	Okla.	S.D.	Mo.	Cal.	Colo.	Minn.	7
Feed cattle marketed	Texas	Neb.	Kans.	IOWA	Colo.	Cal.	Ill.	Minn.	Okla.	S.D.	12
Hog production	IOWA	Ill.	Minn.	Ind.	Mo.	Neb.	N.C.	Ohio	Wis.	Ga.	23
Sheep production	Texas	Cal.	S.D.	Colo.	Wyo.	Idaho	Utah	Mont.	IOWA	Ohio	4
Turkey production	Minn.	Cal.	N.C.	Ark.	Mo.	Va.	IOWA	Texas	Ind.	Colo.	5
Calf crop	Texas	Mo.	Okla.	IOWA	Wis.	Neb.	Kans.	S.D.	Cal.	Mont.	5
Pig crop	IOWA	Ill.	Minn.	Mo.	Ind.	Neb.	N.C.	Ohio	Wis.	Ga.	23
Turkeys raised	Minn.	N.C.	Cal.	Ark.	Mo.	Va.	Texas	IOWA	Ind.	Pa.	4
Commercial cattle slaughter	Neb.	Texas	IOWA	Kans.	Cal.	Colo.	Ill.	Wis.	Minn.	Idaho	9
Commercial hog slaughter	IOWA	Ill.	Minn.	Ohio	Mich.	Neb.	Mo.	S.D.	Tenn.	Va.	27
Honey production	Cal.	Fla.	N.D.	Minn.	Mont.	S.D.	Neb.	Texas	Mo.	IOWA	3
Mink production	Wis.	Minn.	Utah	Ill.	Wash.	Ore.	Pa.	Idaho	IOWA	Mich.	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	IOWA	Texas	Wash.	3
Creamery butter	Wis.	Minn.	Cal.	Pa.	N.Y.	Wash.	Mich.	Ohio	Mo.	IOWA	2
American cheese	Wis.	Minn.	IOWA	N.Y.	Idaho	S.D.	Mo.	N.D.	Ky.	Utah	4
Total cheese	Wis.	Minn.	N.Y.	IOWA	Cal.	Idaho	Ill.	Ohio	Pa.	Mo.	5

[1] New definition—farms w/annual sales of agricultural products of $1,000 or more.

[2] Crop acreages included are corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flax seed, peanuts, popcorn, cotton, all hay, dry beans, potatoes, sweet potatoes, tobacco, sugar cane and sugar beets.

[3] No other significant producers.

[4] Excludes government payments.

Source: Iowa Crop and Livestock Reporting Service.

net income[1] per farm[2], midwest (dollars)

STATE	1960	1965	1970	1975	1977	1978	1979	1980
IOWA	$3,347	$6,896	$7,434	$11,998	$ 6,976	$15,831	$13,106	$ 4,659
Minnesota	2,918	4,124	6,772	9,186	13,861	13,660	13,820	11,120
South Dakota	4,668	5,600	6,941	10,498	7,523	10,685	13,480	4,980
Nebraska	3,534	5,141	6,442	14,707	5,751	9,409	14,098	1,987
Kansas	3,609	3,879	6,208	7,984	5,839	9,274	16,655	7,165
Missouri	2,163	3,072	2,955	4,438	5,206	7,028	10,118	2,553
Illinois	3,377	5,507	4,788	17,691	12,002	11,011	17,906	1,951
Wisconsin	2,802	3,939	5,273	7,428	9,763	10,688	15,465	14,554
Indiana	2,629	4,439	3,262	9,551	7,062	8,304	11,411	6,355
Ohio	2,168	2,592	3,224	6,536	5,851	6,000	8,605	4,755
U.S.	2,907	3,843	4,790	8,637	7,489	10,860	13,456	8,180

[1] Includes changes in inventories and represents income of farm operator.

[2] A farm is a place with annual sales of agricultural products of $1,000 or more.

Source: Economic Indicators of the Farm Section State Income and Balance Sheet Statistics, Economic Research Service USDA.

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cash receipts from sale of farm produce, Iowa (thousands)

	1965	% of Total	1970	% of Total	1975	% of Total	1978	% of Total	1979r	% of Total	1980e	% of Total
All Commodities	$3,079,934	100.0	$4,129,900	100.0	$6,494,484	100.6	$8,227,706	100.0	$9,258,734	100.0	$10,039,974	100.0
Livestock Products	2,368,822	76.9	2,853,411	69.1	3,906,402	60.1	5,418,191	65.8	5,527,734	54.6	5,487,358	59.7
Meat Animals	2,047,006	66.5	2,528,795	61.2	3,469,497	53.4	4,870,300	59.1	4,931,005	48.0	4,822,450	53.3
Cattle Calves	1,082,251	35.1	1,431,168	34.6	1,567,561	24.1	2,559,186	31.1	2,688,620	25.9	2,606,628	29.0
Hogs	936,900	30.4	1,074,409	26.0	1,886,709	29.0	2,297,056	27.9	2,228,335	21.9	2,196,559	24.1
Sheep Lambs	27,855	.9	23,218	5	15,227	.2	14,058	1	14,050	.2	19,263	.2
Dairy Products	192,825	6.3	220,719	5.4	304,224	4.7	395,470	4.8	443,647	5.0	506,847	[illegible]
Misc. Livestock	11,139	.4	7,094	2	9,647	1	13,898	17	17,370	.2	19,069	.2
Poultry & Eggs	117,852	3.8	96,803	2.3	123,034	1.9	138,523	1.7	135,712	1.4	138,992	1.5
Crops	711,112	23.1	1,276,489	30.9	2,588,082	39.9	2,809,515	34.2	3,731,000	45.3	4,552,616	40.3
Food Grains	1,261	*	1,769	*	9,968	.2	3,776	1	7,141	.1	11,547	.1
Wheat	1,192	*	1,697	*	9,811	.1	3,532	1	7,141	.1	11,547	.1
Feed Crops	425,393	13.8	666,508	16.1	1,584,964	24.4	1,215,074	14.8	1,792,744	24.4	2,451,052	19.4
Corn	388,140	12.6	636,610	15.4	1,508,165	23.2	1,157,168	14.1	1,716,416	23.7	2,380,408	18.5
Oats	20,346	.7	17,315	5	41,082	.6	24,928	3	33,005	.3	33,915	4
Hay	15,630	.5	11,613	2	34,282	.5	31,576	4	41,947	.3	36,163	.5
Sorghum Grain	1,233	*	921	1	1,389	*	1,402	*	1,376	*	566	*
Oil Crops	261,205	8.5	582,092	14.1	944,525	14.5	1,543,482	18.8	1,866,243	20.1	2,021,947	20.1
Soybeans	260,662	8.5	582,036	14.0	944,421	14.5	1,543,482	18.8	1,866,243	20.1	2,021,947	20.1
Vegetables	5,419	.2	6,218	2	10,490	2	6,359	1	7,971	*	7,247	*
Fruits, Nuts	1,189	*	1,412	*	1,256	*	1,947	*	1,785	*	2,962	*
All Other Crops	16,645	.5	18,490	5	36,879	.6	39,121	48	55,116	.6	57,861	6

*Less than .1%

Source: Iowa Livestock & Crop Reporting Service.

federal farm payments by program, Iowa (thousands)

Program	1960	1970	1975	1977	1978	1979	1980
Conservation	$ 6,467	$ 8,832	$ 7,233	$ 7,682	$ 7,163	$ 6,557	$ 7,615
Sugar Act	39	50	—	—	—	—	—
Wool Act	2,006	1,523	—	—	—	—	—
Soil Bank	12,283	5	—	—	—	—	—
Feed Grain	—	221,294	44,286	16,414	213,088	37,993	6,319
Wheat	—	809	460	1,185	650	63	96
Cropland Adjustment	—	3,302	668	—	—	—	—
Drought and Flood	—	—	—	—	949	136	7
Miscellaneous	—	—	474	3,620	49,137	24,440	30,526
Total	20,795	235,815	53,121	28,901	270,987	69,189	44,563

Source: Economic Indicators of the Farm Sector; State Income and Balance Sheet Statistics, 1980; National Economic Division, Economic Research Service, USDA, November, 1981.

farm real estate average value of land and buildings per acre, midwest (dollars)

	1960	1965	1970	1974	1975	1976	1977	1978	1979	1980
Iowa	$257	$279	$392	$648	$801	$1,009	$1,222	$1,268	$1,458	$1,706
Minnesota	155	167	226	354	461	561	627	730	854	1,008
South Dakota	51	62	84	129	160	180	202	227	257	292
Nebraska	89	111	154	246	289	364	408	385	470	536
Kansas	101	123	159	265	314	349	384	380	437	498
Missouri	115	155	224	374	394	435	472	602	674	816
Illinois	316	372	490	788	952	1,184	1,497	1,581	1,786	1,929
Wisconsin	133	155	232	401	451	508	568	690	807	928
Indiana	264	311	420	629	783	952	1,154	1,303	1,498	1,723
Ohio	248	294	382	636	718	870	1,039	1,263	1,516	1,713
48 States	116	146	193	310	354	403	445	498	599	641

[1] Preliminary

Source: Farm Estate Market Developments, U.S.D.A., December 1980.

principal machines on Iowa farms

	1976	1977	1978	1979	1980
Wheel and Crawler Tractors	318,000	307,800	303,200	300,600	295,700
Garden and Tiller Tractors	30,000	—	N/A	N/A	N/A
Self-propelled Combines	38,200	45,100	44,800	45,500	45,500
Corn Pickers, Corn Heads & Picker-Shellers	88,100	45,000	46,800	49,000	51,000
Pick-up Balers	40,000	40,350	38,000	36,700	34,400
Side Delivery Rakes	88,500	87,800	87,000	86,400	85,800
Motor Trucks & Pickups	142,000	145,000	145,500	146,000	146,500
Power Elevators	170,500	174,000	175,800	179,000	180,500
Tractor Moldboard Plows	225,000	220,000	218,400	216,400	214,500
Field Forage Harvesters	20,000	24,500	24,400	24,280	24,060
Power Tractor Mowers	107,600	108,000	107,800	107,500	106,600
Internal Combustion Engines	39,000	37,200	36,200	34,700	34,000
Chain Saws	55,800	56,000	56,100	56,300	56,500
Manure Spreaders	110,000	107,600	105,100	103,300	103,000
Corn and Cotton Planters	107,200	106,100	105,400	104,300	103,000
Grain Drills	59,500	59,000	58,300	57,700	57,300
Hay Conditioners	22,000	23,000	24,300	25,370	26,250

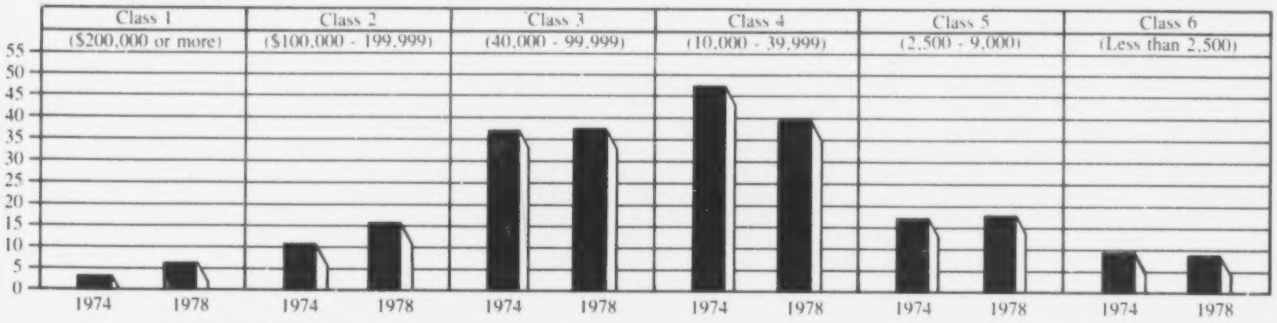
N/A — not available.
Source: Principal Machines on Farms — Implement & Tractor, Nov. 7, 1980.

U.S. and Iowa farmers are the world's most efficient

	% of population Involved in Food Production	% of disposable Income Spent on Food	Positive food Trade Balance in Billion $	Minutes Worked to Earn		
				1 lb. Beef	1 lb. Bread	1 Dozen Eggs
United States	2.3	14	$ 18.0	16	4	6
Australia	6.0	17	5.0	22	4	11
Brazil	38.9	41	5.0	135	43	73
China	60.6	60	−1.9	455	N/A	205
France	9.1	20	.1	34	8	13
India	64.0	59	.5	N/A	46	131
Japan	11.8	23	−13.0	174	7	12
Mexico	36.9	41	.4	132	52	62
South Korea	39.9	44	−1.5	335	N/A	48
Soviet Union	17.3	34	−8.1	60	8	71
United Kingdom	2.1	19	−.8	57	4	16

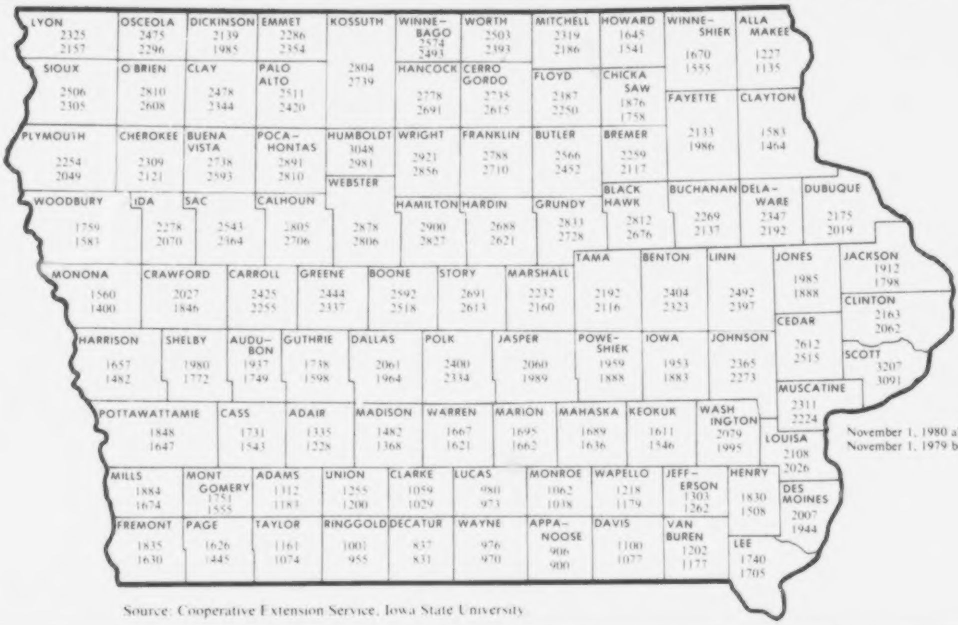
N/A = Not Available
Source: Agricultural Council of America.

number of farms by economic class, Iowa



Source: 1978 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census

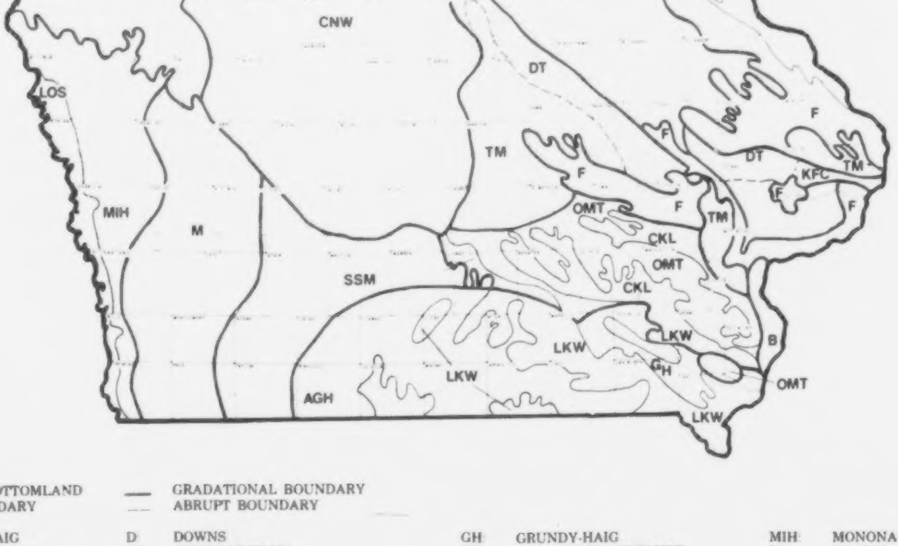
average value of farm land, November 1, 1980


LYON 2325 2157
OSCEOLA 2475 2296
DICKINSON 2139 1985
EMMET 2286 2354
KOSSUTH 2804 2739
WINNEBAGO 2574 2493
WORTH 2503 2393
MITCHELL 2319 2186
HOWARD 1645 1541
WINNESHIEK 1670 1555
ALLAMAKEE 1227 1135
SIOUX 2506 2305
O BRIEN 2810 2608
CLAY 2478 2344
PALO ALTO 2511 2420
HANCOCK 2778 2691
CERRO GORDO 2735 2615
FLOYD 2387 2250
CHICKASAW 1876 1758
FAYETTE 2133 1986
CLAYTON 1583 1464
PLYMOUTH 2254 2049
CHEROKEE 2309 2121
BUENA VISTA 2738 2593
POCAHONTAS 2891 2810
HUMBOLDT 3048 2981
WRIGHT 2921 2856
FRANKLIN 2788 2710
BUTLER 2566 2452
BREMER 2259 2117
WOODBURY 1759 1583
IDA 2278 2070
SAC 2543 2364
CALHOUN 2805 2706
WEBSTER 2878 2806
HAMILTON 2900 2827
HARDIN 2688 2621
GRUNDY 2833 2728
BLACK HAWK 2812 2676
BUCHANAN 2269 2137
DELAWARE 2347 2192
DUBUQUE 2175 2019
MONONA 1560 1400
CRAWFORD 2027 1846
CARROLL 2425 2255
GREENE 2444 2337
BOONE 2592 2518
STORY 2691 2613
MARSHALL 2232 2160
TAMA 2192 2116
BENTON 2404 2323
LINN 2492 2397
JONES 1985 1888
JACKSON 1912 1798
CLINTON 2163 2062
HARRISON 1657 1482
SHELBY 1980 1772
AUDUBON 1937 1749
GUTHRIE 1738 1598
DALLAS 2061 1964
POLK 2400 2334
JASPER 2060 1989
POWESHIEK 1959 1888
IOWA 1953 1883
JOHNSON 2365 2273
CEDAR 2612 2515
SCOTT 3207 3091
POTTAWATTAMIE 1848 1647
CASS 1731 1543
ADAIR 1335 1228
MADISON 1482 1368
WARREN 1667 1621
MARION 1695 1662
MAHASKA 1689 1636
KEOKUK 1611 1546
WASHINGTON 2079 1995
MUSCATINE 2311 2224
LOUISA 2108 2026
MILLS 1884 1674
MONTGOMERY 1751 1555
ADAMS 1312 1183
UNION 1255 1200
CLARKE 1059 1029
LUCAS 980 973
MONROE 1062 1038
WAPELLO 1218 1179
JEFFERSON 1303 1262
HENRY 1830 1508
DES MOINES 2007 1944
FREMONT 1835 1630
PAGE 1626 1445
TAYLOR 1161 1074
RINGGOLD 1001 955
DECATUR 837 831
WAYNE 976 970
APPANOOSE 906 900
DAVIS 1100 1077
VAN BUREN 1202 1177
LEE 1740 1705

November 1, 1980 above
November 1, 1979 below

Source: Cooperative Extension Service, Iowa State University

principal soil-association areas, Iowa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LKW

B	SOILS OF MISS. BOTTOMLAND
----	TENTATIVE BOUNDARY
——	GRADATIONAL BOUNDARY
——	ABRUPT BOUNDARY

AGH	ADAIR-GRUNDY-HAIG
ASE	ADAIR-SEYMOUR-EDINA
CKL	CLINTON-KESWICK-LINDLEY
CLC	CRESCO-LOURDES-CLYDE
CNW	CLARION-NICOLLET-WEBSTER
D	DOWNS
DT	DINSDALE-TAMA
F	FAYETTE
FDS	FAYETTE-DUBUQUE-STONYLAND
GPS	GALVA-PRIMGHAR-SAC
GH	GRUNDY-HAIG
KFC	KENYON-FLOYD-CLYDE
LKW	LINDLEY-KESWICK-WELLER
LOS	LUTON-ONAWA-SALIX
M	MARSHALL
MIH	MONONA-IDA-HAMBURG
Mo	MOODY
OMT	OTLEY-MAHASKA-TAINTER
SSM	SHELBY-SHARPSBURG-MACKSBURG
TM	TAMA-MUSCATINE

SOURCE: Cooperative Extension Service, Iowa State University.

number and average size of farms[1] Iowa counties

County and District	Number of farms 1978	1979	1980	1981	Average acres per farm 1978	1979	1980	1981
Buena Vista	1,300	1,270	1,250	1,250	272	279	283	284
Cherokee	1,230	1,200	1,180	1,180	291	299	304	305
Clay	1,060	1,040	1,030	1,030	330	337	340	338
Dickinson	680	670	660	660	335	340	345	341
Emmet	740	730	720	720	310	325	329	334
Lyon	1,440	1,410	1,390	1,390	255	260	264	264
O'Brien	1,290	1,260	1,240	1,240	274	281	285	286
Osceola	850	830	820	820	292	300	303	299
Palo Alto	1,080	1,060	1,050	1,050	324	330	333	330
Plymouth	1,960	1,920	1,890	1,890	275	281	286	286
Pocahontas	1,180	1,160	1,150	1,150	304	309	312	312
Sioux	1,990	1,950	1,920	1,920	235	240	244	245
N.W. District	14,800	14,500	14,300	14,300	285	291	295	294
Butler	1,560	1,540	1,520	1,520	228	231	234	234
Cerro Gordo	1,060	1,040	1,020	1,020	321	327	334	325
Floyd	1,170	1,150	1,130	1,130	262	267	271	272
Franklin	1,210	1,190	1,170	1,170	300	305	310	302
Hancock	1,260	1,240	1,220	1,220	282	287	291	290
Humbolt	880	870	860	860	306	309	313	311
Kossuth	1,990	1,960	1,930	1,930	305	309	314	315
Mitchell	1,070	1,050	1,030	1,030	273	278	283	283
Winnebago	900	890	880	880	274	277	281	280
Worth	860	850	840	840	287	291	294	290
Wright	1,140	1,120	1,100	1,100	315	320	326	326
N.C. District	13,100	12,900	12,700	12,700	286	290	294	293
Allamakee	1,220	1,210	1,190	1,190	314	316	322	323
Black Hawk	1,450	1,420	1,400	1,390	218	222	226	208
Bremer	1,350	1,330	1,310	1,310	196	199	202	200
Buchanan	1,550	1,530	1,510	1,500	224	227	230	233
Chickasaw	1,190	1,180	1,170	1,170	262	264	267	264
Clayton	1,920	1,900	1,880	1,850	238	241	244	246
Delaware	1,540	1,520	1,500	1,500	231	234	237	234
Dubuque	1,760	1,740	1,720	1,710	202	204	206	206
Fayette	1,880	1,860	1,840	1,810	235	238	240	245
Howard	1,090	1,080	1,070	1,070	268	270	273	272
Winneshiek	1,850	1,830	1,810	1,800	228	231	233	234
N.E. District	16,800	16,600	16,400	16,300	235	238	241	240
Audubon	1,000	990	980	980	282	285	288	287
Calhoun	1,160	1,140	1,120	1,120	306	312	317	311
Carroll	1,360	1,340	1,320	1,320	261	265	269	268
Crawford	1,670	1,650	1,630	1,620	270	273	277	278
Greene	1,070	1,060	1,050	1,050	336	340	343	336
Guthrie	1,150	1,130	1,120	1,120	321	327	330	330
Harrison	1,290	1,270	1,250	1,240	332	337	342	347
Ida	920	910	900	890	297	300	304	303
Monona	1,020	1,010	1,000	1,000	420	425	429	427
Sac	1,150	1,130	1,110	1,110	313	319	325	323
Shelby	1,260	1,240	1,220	1,220	293	298	303	303
Woodbury	1,950	1,930	1,900	1,830	269	272	276	282
W.C. District	15,000	14,800	14,600	14,500	304	308	312	310
Boone	1,280	1,250	1,220	1,220	265	272	278	274
Dallas	1,240	1,220	1,190	1,190	284	289	296	296
Grundy	1,210	1,190	1,170	1,170	263	267	272	268
Hamilton	1,280	1,250	1,230	1,230	279	286	290	288
Hardin	1,220	1,200	1,180	1,180	289	294	299	295
Jasper	1,630	1,600	1,570	1,560	272	278	283	288
Marshall	1,270	1,250	1,230	1,230	274	279	283	282
Polk	1,370	1,340	1,310	1,230	194	195	203	212
Poweshiek	1,270	1,250	1,230	1,230	284	289	294	294
Story	1,180	1,160	1,140	1,140	288	293	298	293
Tama	1,710	1,680	1,650	1,640	260	265	269	271
Webster	1,340	1,310	1,280	1,280	321	329	337	332
C. District	16,000	15,700	15,400	15,300	272	277	283	283

number and average size of farms[1] Iowa counties (continued)

County and District	Number of farms 1978	1979	1980	1981	Average acres per farm 1978	1979	1980	1981
Benton	1,510	1,490	1,460	1,460	**293**	**297**	**303**	**298**
Cedar	1,320	1,300	1,270	1,270	**270**	**275**	**281**	**277**
Clinton	1,690	1,660	1,620	1,620	**245**	**249**	**255**	**251**
Iowa	1,220	1,200	1,170	1,170	**296**	**300**	**308**	**309**
Jackson	1,510	1,490	1,460	1,460	**258**	**261**	**266**	**267**
Johnson	1,440	1,420	1,390	1,390	**238**	**241**	**247**	**242**
Jones	1,420	1,400	1,370	1,370	**251**	**255**	**261**	**261**
Linn	1,760	1,730	1,690	1,690	**227**	**231**	**237**	**231**
Muscatine	960	950	930	930	**268**	**270**	**276**	**270**
Scott	1,070	1,060	1,040	1,040	**234**	**236**	**240**	**232**
E.C. District	13,900	13,700	13,400	13,400	**257**	**261**	**266**	**263**
Adair	1,120	1,110	1,080	1,080	**322**	**325**	**334**	**333**
Adams	760	750	740	740	**350**	**354**	**359**	**360**
Cass	1,110	1,100	1,070	1,070	**317**	**320**	**329**	**326**
Fremont	760	750	740	740	**414**	**419**	**425**	**428**
Mills	750	740	730	730	**359**	**363**	**368**	**369**
Montgomery	810	800	780	780	**325**	**328**	**337**	**333**
Page	1,090	1,080	1,050	1,050	**303**	**306**	**314**	**313**
Pottawattamie	1,990	1,970	1,930	1,930	**285**	**287**	**293**	**291**
Taylor	1,010	1,000	980	980	**333**	**336**	**343**	**344**
S.W. District	9,400	9,300	9,100	9,100	**325**	**329**	**336**	**335**
Appanoose	1,190	1,160	1,140	1,060	**243**	**249**	**254**	**274**
Clarke	720	710	700	700	**374**	**379**	**385**	**379**
Decatur	860	850	840	820	**387**	**392**	**397**	**401**
Lucas	930	910	890	830	**282**	**288**	**295**	**317**
Madison	1,370	1,350	1,320	1,280	**258**	**262**	**268**	**277**
Marion	1,320	1,300	1,270	1,270	**235**	**238**	**244**	**244**
Monroe	960	940	920	830	**277**	**283**	**289**	**321**
Ringgold	880	860	850	840	**390**	**399**	**404**	**404**
Union	730	720	710	710	**364**	**369**	**374**	**369**
Warren	1,460	1,430	1,400	1,400	**238**	**242**	**248**	**248**
Wayne	880	870	860	860	**371**	**375**	**379**	**375**
S.C. District	11,300	11,100	10,900	10,600	**298**	**303**	**309**	**316**
Davis	1,260	1,230	1,210	1,100	**246**	**252**	**256**	**283**
Des Moines	830	810	800	800	**266**	**272**	**275**	**273**
Henry	1,030	1,010	990	990	**254**	**259**	**265**	**263**
Jefferson	1,120	1,090	1,070	1,020	**237**	**243**	**248**	**261**
Keokuk	1,230	1,200	1,180	1,180	**288**	**296**	**301**	**302**
Lee	1,230	1,190	1,170	1,130	**242**	**250**	**254**	**262**
Louisa	750	740	730	730	**315**	**320**	**324**	**324**
Mahaska	1,430	1,400	1,380	1,370	**248**	**253**	**257**	**258**
Van Buren	1,050	1,020	1,000	980	**280**	**288**	**294**	**301**
Wapello	1,450	1,420	1,400	1,230	**174**	**178**	**180**	**205**
Washington	1,320	1,290	1,270	1,270	**264**	**270**	**274**	**274**
S.E. District	12,700	12,400	12,200	11,800	**252**	**258**	**262**	**271**
State	123,000	121,000	119,000	118,000	**276**	**281**	**286**	**286**

Source: Iowa Crop and Livestock Reporting Service, U.S.D.A.

corn and soybeans harvested

	Corn						Corn for Silage		Soybeans					
	1978		1979r		1980e		1979r	1980e	1978		1979r		1980e	
County & District	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	(000's of Tons)		Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)
Buena Vista	127.5	20,400	129.0	21,800	121.8	20,700	109	79	42.6	5,450	36.9	4,880	41.2	5,480
Cherokee	122.8	17,800	126.0	18,400	111.9	16,000	244	234	43.3	3,900	39.8	3,770	42.7	4,120
Clay	117.3	16,300	129.3	19,000	126.3	19,200	187	211	38.4	4,650	37.4	4,750	37.8	4,850
Dickinson	120.0	10,800	121.9	11,700	125.5	11,800	148	124	39.6	3,050	35.7	2,880	40.5	3,380
Emmet	125.7	12,700	127.4	13,500	139.1	15,300	127	74	40.6	3,800	32.0	3,100	41.6	4,050
Lyon	110.3	17,200	114.8	19,400	103.0	16,900	227	169	42.7	3,650	38.8	3,840	38.7	3,940
O'Brien	120.6	18,200	127.7	19,800	129.3	19,400	196	260	40.0	4,800	39.9	5,230	40.1	5,470
Osceola	120.6	12,900	117.3	12,900	124.8	13,600	156	135	41.6	3,700	36.0	3,550	39.9	4,090
Palo Alto	119.3	17,900	125.2	19,400	134.4	21,500	96	107	39.1	5,400	32.1	4,660	38.8	5,670
Plymouth	115.7	27,300	116.8	28,500	83.8	19,600	225	207	43.8	4,250	42.2	4,710	37.0	4,390
Pocahontas	131.4	20,100	133.3	21,600	123.1	20,800	111	65	43.7	6,465	32.9	5,070	38.8	5,970
Sioux	111.3	25,700	122.0	29,400	110.2	26,000	494	409	43.2	3,800	42.9	4,280	41.1	4,290
N.W. District	119.5	217,300	123.9	235,400	116.8	220,800	2,320	2,074	41.5	52,915	37.0	50,720	39.7	55,700
Butler	111.3	18,700	127.2	21,500	124.3	21,000	82	66	35.8	3,650	35.0	3,850	40.6	4,640
Cerro Gordo	120.0	18,000	131.8	19,900	130.2	20,700	74	79	36.1	3,900	36.4	4,140	38.3	4,300
Floyd	116.7	14,700	131.3	16,800	126.3	16,800	58	41	36.6	3,550	33.2	3,470	35.0	3,680
Franklin	120.4	20,100	132.2	22,600	131.8	23,600	84	65	37.4	4,300	38.3	4,850	40.4	5,020
Hancock	125.3	20,300	130.9	21,200	127.7	21,200	135	105	37.0	4,700	34.8	4,370	39.8	4,950
Humbolt	127.6	16,200	126.4	15,800	119.7	15,200	79	41	38.8	4,350	36.2	4,020	39.4	4,350
Kossuth	124.8	33,700	130.3	35,700	131.9	36,400	147	114	35.8	8,890	34.0	8,440	41.5	10,260
Mitchell	111.7	13,400	124.4	14,800	120.5	14,700	145	138	35.8	2,950	31.8	3,010	29.3	2,740
Winnebago	121.3	13,100	125.4	14,300	115.5	13,400	44	23	29.4	2,850	31.1	3,260	33.7	3,580
Worth	120.9	13,300	130.0	14,300	120.7	14,000	40	30	38.3	3,200	36.9	3,400	31.8	2,910
Wright	126.4	22,000	136.2	24,100	118.4	21,200	52	28	38.9	6,150	38.2	6,100	38.6	6,360
N.C. District	121.0	203,500	130.0	221,000	125.3	218,200	940	730	36.5	48,490	35.2	48,910	37.9	52,790
Allamakee	118.1	8,500	124.0	9,300	114.5	8,700	165	135	35.8	86	36.4	120	38.2	130
Black Hawk	118.4	16,700	137.7	20,100	117.8	17,900	108	49	39.0	3,200	38.5	3,660	42.3	4,000
Bremer	122.0	13,300	130.9	14,400	123.1	14,400	96	81	38.3	2,550	35.1	2,590	36.8	2,770
Buchanan	122.0	20,000	140.6	23,200	126.5	21,000	76	51	38.6	3,050	38.1	3,590	40.3	3,760
Chickasaw	115.3	12,800	128.7	14,800	122.3	14,800	138	130	36.2	2,350	33.2	2,450	33.5	2,520
Clayton	118.1	17,000	125.7	18,600	116.0	17,400	115	66	39.1	215	34.3	240	36.6	260
Delaware	117.5	18,800	134.5	22,600	124.6	21,300	113	74	38.3	1,000	38.9	1,180	42.1	1,380
Dubuque	114.1	13,800	129.8	16,100	122.0	15,500	166	132	32.8	59	39.1	90	45.8	110
Fayette	119.9	21,100	132.4	23,700	125.5	23,600	198	171	37.1	2,800	35.4	3,050	41.3	3,630
Howard	114.6	11,000	122.0	12,200	120.4	13,000	94	103	34.1	2,300	32.1	2,390	34.5	2,520
Winneshiek	115.1	14,500	118.5	15,400	117.7	16,600	261	224	34.4	540	34.6	640	39.2	710
N.E. District	118.0	167,500	130.4	190,400	121.4	184,200	1,530	1,216	37.3	18,150	35.8	20,000	38.7	21,790
Audubon	107.9	12,300	120.2	14,900	90.6	11,600	131	87	40.4	1,900	37.5	2,020	36.0	1,940
Calhoun	123.3	18,500	138.7	21,500	123.4	19,500	93	45	41.5	6,140	39.5	5,950	43.8	6,520
Carroll	110.7	16,500	123.8	19,800	98.1	15,700	493	421	42.6	4,050	39.6	4,010	41.2	4,260
Crawford	112.1	19,500	106.6	19,300	67.8	12,200	157	108	42.5	3,100	36.6	3,010	34.1	2,800
Greene	119.6	17,700	141.4	22,200	112.9	18,400	131	107	44.2	5,750	41.0	5,600	42.5	5,750
Guthrie	107.0	10,700	123.6	13,100	96.4	10,700	124	111	36.8	2,150	35.6	2,360	36.8	2,420
Harrison	115.2	18,200	118.7	19,700	80.0	13,600	111	59	39.3	3,750	35.8	3,940	33.4	3,650
Ida	118.6	14,700	110.9	14,200	71.8	8,900	172	148	42.1	2,250	38.5	2,270	34.6	2,160
Monona	114.3	17,600	101.2	16,400	73.8	12,100	95	265	36.2	3,200	34.0	3,290	26.8	2,690
Sac	113.4	17,800	123.7	20,900	85.8	14,500	256	118	38.3	3,950	38.1	4,130	35.8	3,920
Shelby	118.9	20,100	126.9	23,100	87.4	15,900	138	171	43.1	2,950	39.9	3,070	37.0	2,880
Woodbury	115.1	28,200	104.2	27,100	67.7	17,000	239	206	36.9	2,600	36.1	2,960	31.3	2,740
W.C. District	115.0	211,800	119.1	232,200	86.8	170,100	2,140	1,846	40.5	41,790	37.9	42,610	36.7	41,730
Boone	120.8	18,600	141.8	21,700	118.8	18,300	57	37	43.2	5,050	40.3	4,800	43.7	5,250
Dallas	106.6	16,100	135.7	20,900	96.9	15,500	60	56	35.1	3,550	39.2	4,230	42.6	4,510
Grundy	119.3	17,900	137.3	20,600	122.4	18,600	120	153	42.8	4,150	41.5	4,430	44.1	4,630
Hamilton	119.5	19,600	140.6	23,200	125.3	21,300	60	27	39.6	5,500	40.7	5,840	40.6	5,950
Hardin	114.8	19,400	138.9	22,500	120.7	20,400	109	113	41.3	4,300	40.6	4,580	41.0	4,570
Jasper	112.6	18,800	125.9	21,400	102.9	17,900	87	90	38.5	3,100	39.7	3,380	43.1	3,800
Marshall	111.2	16,900	132.1	20,600	119.3	19,200	97	55	41.8	3,200	40.7	3,490	44.5	3,750
Polk	112.4	12,700	128.1	14,600	100.0	11,000	34	34	36.6	3,150	37.9	3,430	41.0	3,860
Poweshiek	110.4	13,800	126.4	15,800	110.7	14,500	81	75	37.0	2,350	39.1	2,720	41.4	2,900
Story	116.5	19,100	139.6	22,900	126.5	21,500	75	52	42.4	5,050	39.1	5,090	42.7	5,600
Tama	116.7	20,300	132.8	23,100	114.2	20,100	70	46	41.8	3,950	39.8	4,200	43.5	4,580
Webster	128.5	23,000	140.4	25,700	127.0	24,000	30	29	43.1	7,540	40.0	7,220	43.3	7,760
C. District	116.1	216,200	135.3	253,000	116.0	222,300	880	767	40.6	50,890	39.9	53,410	42.6	57,160

corn and soybeans harvested (continued)

County & District	Corn						Corn for Silage		Soybeans					
	1978		1979r		1980e		1979r	1980e	1978		1979r		1980e	
	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	(000's of Tons)		Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)
Benton	120.6	20,500	134.1	23,200	105.7	18,500	160	163	42.2	4,300	41.5	4,790	41.9	4,790
Cedar	129.5	22,400	144.1	25,500	124.6	22,300	79	52	42.2	2,850	43.8	3,170	44.9	3,370
Clinton	114.8	23,300	130.5	27,400	123.0	25,700	161	114	39.2	2,450	44.5	3,130	45.7	3,150
Iowa	110.2	15,100	129.6	18,400	113.0	16,500	94	89	34.5	1,400	39.2	1,760	38.7	1,780
Jackson	108.1	10,700	117.3	12,200	115.0	12,300	143	198	31.9	255	38.7	360	44.4	440
Johnson	117.6	16,700	133.3	19.200	106.8	15,700	83	42	38.4	2,150	41.1	2,530	40.7	2,510
Jones	119.6	16,500	132.4	18,800	124.5	17,800	125	84	39.8	1,450	42.2	1,740	43.9	1,920
Linn	115.7	17,000	130.3	19,800	114.5	17,400	56	54	40.0	3,400	40.7	3,860	41.5	3,950
Muscatine	112.8	10,600	129.9	12,600	119.6	12,200	46	43	37.2	1,650	38.8	1,960	42.8	2,140
Scott	123.1	16,000	134.3	18,000	132.4	18,000	73	74	41.3	1,600	42.9	1,790	44.7	1,890
E.C. District	117.8	168,800	132.3	195,100	117.9	176,400	1,020	913	39.8	21.505	41.7	25,090	42.7	25,940
Adair	103.7	11,300	114.7	13,300	89.7	10,400	61	44	34.6	1,850	34.5	2,010	38.1	2,150
Adams	95.5	6,400	116.4	8,500	78.4	5,800	73	120	32.4	1,100	35.8	1,340	35.7	1,390
Cass	109.6	14,900	122.9	17,700	88.4	11,400	115	232	37.9	2,350	38.2	2,580	35.8	2,520
Fremont	95.8	11,500	116.7	14,000	93.8	10,500	34	31	32.7	3,300	37.8	4,100	37.5	4,250
Mills	107.3	10,300	122.3	12,600	99.0	10,200	67	71	37.4	2,600	37.6	2,880	37.9	3,010
Montgomery	103.0	10,200	126.7	13,300	84.5	8,200	121	67	36.2	2,350	37.5	2,620	36.1	2,430
Page	97.2	10,400	113.4	12,700	73.5	8,300	47	48	33.5	2,700	35.9	3,150	31.5	2,630
Pottawattamie	119.0	25,100	127.1	27,200	98.4	24,100	162	180	40.3	4,470	37.2	4,785	36.4	5,090
Taylor	88.7	6,300	109.0	8,500	65.4	5,300	40	64	28.6	1,500	33.4	1,960	30.4	1,730
S.W. District	104.7	106,400	120.0	127,800	88.0	94,200	720	857	35.3	22,220	36.7	25,425	35.7	25,200
Appanoose	90.7	3,300	116.2	4,300	86.8	3,300	24	41	28.4	1,050	33.7	1,350	28.0	1,150
Clarke	97.1	4,300	97.7	4,300	83.7	3,600	35	76	33.2	850	30.2	930	32.8	1,060
Decatur	101.9	4,400	102.2	4,600	83.3	4,000	57	64	31.4	1,100	31.5	1,190	31.6	1,260
Lucas	93.2	3,850	102.3	4,400	90.7	3,900	45	75	29.7	710	32.2	790	30.7	790
Madison	104.2	8,650	110.1	9,800	98.9	8,700	61	30	35.3	1,800	34.2	1,880	39.3	2,230
Marion	104.9	8,500	118.3	9,700	92.0	8,100	42	44	36.7	1,800	37.5	1,980	39.8	2,230
Monroe	90.5	3,600	107.1	4,500	94.3	3,300	40	81	29.4	730	34.1	890	34.2	900
Ringgold	100.0	6,200	106.2	6,900	54.8	3,400	56	82	31.7	1,500	30.7	1,530	34.0	1,780
Union	92.9	5,200	108.8	6,200	80.7	4,600	58	42	31.2	890	31.4	940	35.3	1,080
Warren	105.2	9,050	121.2	10,300	100.0	8,700	62	44	36.0	1,700	35.3	1,960	37.9	2,120
Wayne	100.9	5,950	111.5	6,800	95.3	6,100	40	33	33.2	1,450	32.7	1,660	31.9	1,730
S.C. District	99.7	63,000	110.5	71,800	88.4	57,700	520	612	32.9	13,580	33.3	15,100	34.7	16,330
Davis	96.6	5,600	118.3	7,100	105.5	5,800	28	50	31.7	1,600	35.5	1,790	31.7	1,610
Des Moines	108.8	9,250	138.7	12,900	116.1	10,800	33	24	38.6	1,950	41.3	2,290	39.9	2,260
Henry	110.3	10,700	138.2	14,100	118.9	12,600	18	15	39.1	2,150	42.2	2,400	39.9	2,300
Jefferson	105.6	7,600	128.8	9,400	101.3	7,700	36	7	36.1	1,950	38.0	2,150	38.4	2,190
Keokuk	113.7	14,100	134.9	17,000	115.9	15,300	40	57	37.0	2,000	39.3	2,490	43.2	2,770
Lee	98.8	7,900	138.6	11,500	108.1	9,300	54	39	34.2	1,950	39.9	2,480	38.0	2,410
Louisa	109.2	8,950	137.2	11,800	122.7	11,900	13	19	36.2	1,550	39.9	1,960	43.0	2,150
Mahaska	103.8	13,600	128.1	17,300	108.1	14,700	117	148	36.1	2,635	38.8	2,980	42.4	3,260
Van Buren	94.6	5,200	115.5	6,700	93.1	5,400	25	35	30.8	1,350	33.8	1,550	31.7	1,490
Wapello	103.2	6,400	131.7	8,300	104.6	6,800	22	28	33.5	1,650	38.6	2,040	40.0	2,170
Washington	112.8	16,700	138.4	20,900	124.5	18,800	44	35	38.5	2,350	42.1	2,980	45.5	3,280
S.E. District	106.6	106,000	133.0	137,000	112.9	119,100	430	457	35.8	21,135	39.2	25,110	39.8	25,890
State	115.0	1,460,500	127.0	1,663,700	110.0	1,463,000	10,500	9,472	38.5	290,675	37.5	306,375	39.0	322,530

r/Revised figures.
e/Estimated figures.
Source: Iowa Crop and Livestock Reporting Service.

hogs and grain fed cattle marketed and cows and heifers* that have calved

	Hogs Marketed (000)			Grain Fed Cattle Marketed (000)			Milk Cows (000)			Beef Cows (000)		
	1978	1979r	1980e	1978	1979r	1980e	1978	1979r	1980e	1978	1979r	1980e
Buena Vista	315.0	335.0	330.0	35.0	31.0	27.0	.9	.9	.9	10.0	10.5	11.0
Cherokee	245.0	280.0	275.0	91.0	84.0	78.0	2.3	2.1	2.1	18.5	19.5	21.5
Clay	170.0	190.0	200.0	45.0	38.0	35.0	.8	.8	.8	12.0	12.5	13.5
Dickinson	95.0	105.0	120.0	37.0	30.0	27.0	.7	.7	.7	8.4	8.7	9.4
Emmet	110.0	120.0	135.0	29.5	24.0	23.0	.5	.5	.5	8.5	8.7	9.5
Lyon	285.0	330.0	325.0	73.0	67.0	61.0	7.8	7.9	7.9	18.0	18.5	20.5
O'Brien	265.0	275.0	270.0	89.0	79.0	72.0	3.0	2.7	2.6	9.5	9.5	10.0
Osceola	140.0	150.0	170.0	45.0	38.5	35.0	2.6	2.4	2.4	5.4	5.6	5.7
Palo Alto	225.0	230.0	255.0	33.0	27.5	25.0	.9	.8	.8	6.9	7.0	7.2
Plymouth	455.0	510.0	525.0	98.0	82.0	76.0	3.9	3.6	3.6	23.5	24.5	26.0
Pocahontas	195.0	215.0	225.0	26.5	26.0	24.0	.6	.6	.6	3.8	4.0	4.2
Sioux	550.0	610.0	620.0	265.0	233.0	217.0	13.0	13.0	13.1	10.5	11.0	11.5
N.W. District	3,050.0	3,350.0	3,450	867.0	760.0	700.0	37.0	36.0	36.0	135.0	140.0	150.0
Butler	255.0	280.0	320.0	18.5	15.5	15.0	5.4	5.0	5.0	11.5	11.0	12.1
Cerro Gordo	200.0	215.0	235.0	18.5	14.0	14.0	.9	1.0	1.1	7.4	7.4	7.8
Floyd	140.0	155.0	175.0	15.0	13.0	12.0	2.3	2.2	2.2	7.7	7.7	8.3
Franklin	235.0	285.0	320.0	31.0	27.5	26.0	1.7	1.6	1.6	9.2	9.5	9.6
Hancock	250.0	275.0	285.0	21.0	18.0	17.0	2.0	1.9	1.8	5.7	5.9	6.5
Humboldt	125.0	145.0	160.0	20.0	17.0	16.0	.8	.8	.8	2.7	2.5	3.0
Kossuth	360.0	395.0	455.0	45.5	40.0	37.5	2.9	2.7	2.7	8.9	9.3	10.2
Mitchell	210.0	235.0	255.0	26.0	23.5	22.0	5.6	5.2	5.2	7.4	7.7	7.1
Winnebago	115.0	130.0	140.0	7.5	6.3	6.0	1.4	1.4	1.4	2.5	2.4	2.5
Worth	95.0	105.0	115.0	11.5	8.7	8.5	1.3	1.5	1.5	3.8	3.6	3.7
Wright	165.0	180.0	190.0	18.5	16.5	16.0	.7	.7	.7	4.2	4.0	4.2
N.C. District	2,150.0	2,400.0	2,650.0	233.0	200.0	190.0	25.0	24.0	24.0	71.0	71.0	75.0
Allamakee	135.0	160.0	155.0	12.0	10.5	10.0	22.5	22.8	24.0	29.5	31.5	32.5
Black Hawk	175.0	190.0	180.0	20.0	19.5	18.5	4.7	4.8	4.8	8.2	8.0	8.5
Bremer	130.0	140.0	145.0	11.0	10.0	9.5	11.0	11.0	11.0	4.9	5.0	5.5
Buchanan	250.0	295.0	320.0	19.0	17.0	16.0	7.3	7.5	7.6	11.5	12.0	13.0
Chickasaw	180.0	190.0	210.0	17.0	14.0	13.5	6.9	6.6	6.6	12.0	12.5	13.0
Clayton	360.0	375.0	395.0	17.0	16.5	15.5	31.0	31.5	32.0	26.0	27.0	28.5
Delaware	495.0	575.0	625.0	22.5	18.5	18.0	24.5	25.0	26.0	9.9	10.5	11.5
Dubuque	345.0	385.0	400.0	33.5	31.0	29.0	31.0	31.5	34.0	20.5	21.0	22.0
Fayette	290.0	320.0	355.0	31.0	27.0	25.0	22.5	22.5	23.5	17.5	17.0	18.0
Howard	105.0	125.0	130.0	10.0	9.5	9.0	9.6	9.3	9.5	14.0	13.5	14.5
Winneshiek	235.0	245.0	265.0	24.0	21.5	21.0	29.0	29.5	31.0	26.0	27.0	28.0
N.E. District	2,700.0	3,000.0	3,180.0	217.0	195.0	185.0	200.0	202.0	210.0	180.0	185.0	195.0
Audubon	220.0	250.0	310.0	43.0	40.0	36.0	1.7	1.6	1.4	17.5	18.0	21.0
Calhoun	180.0	200.0	220.0	39.0	38.0	36.0	.3	.3	.3	9.0	9.5	10.5
Carroll	385.0	415.0	435.0	117.0	108.0	99.0	1.3	1.8	1.8	16.0	15.5	17.5
Crawford	340.0	360.0	380.0	62.0	53.0	49.0	3.3	3.0	2.8	33.0	34.5	37.0
Greene	180.0	190.0	230.0	28.0	25.0	23.0	.2	.2	.2	14.5	15.5	18.0
Guthrie	125.0	140.0	145.0	26.0	22.0	20.0	1.1	1.2	1.1	28.0	28.5	31.0
Harrison	105.0	120.0	150.0	19.0	16.0	14.0	1.0	1.4	1.3	19.5	21.0	21.5
Ida	180.0	190.0	220.0	60.0	58.0	53.0	1.7	1.5	1.4	14.5	15.0	16.0
Monona	105.0	110.0	135.0	34.0	29.0	27.0	.7	.7	.7	15.0	15.0	16.5
Sac	285.0	310.0	340.0	90.0	80.0	74.0	1.6	1.9	1.9	15.5	16.0	18.0
Shelby	285.0	330.0	385.0	52.0	42.0	39.0	1.5	1.6	1.5	22.0	23.0	23.5
Woodbury	260.0	285.0	350.0	94.0	94.0	90.0	1.6	1.8	1.6	34.5	33.5	34.5
W.C. District	2,650.0	2,900.0	3,300.0	664.0	605.0	560.0	16.0	17.0	16.0	239.0	245.0	265.0
Boone	195.0	200.0	200.0	28.0	27.0	25.0	.6	.5	.4	9.2	10.0	10.5
Dallas	110.0	125.0	140.0	20.0	21.5	21.0	.5	.4	.4	14.0	15.5	16.0
Grundy	200.0	230.0	250.0	35.0	38.0	36.0	2.2	2.2	2.1	8.8	9.2	11.0
Hamilton	235.0	270.0	265.0	28.5	31.0	27.0	.4	.4	.4	3.7	3.9	4.5
Hardin	275.0	310.0	315.0	53.0	56.0	53.0	.7	.8	.8	14.5	15.5	16.0
Jasper	310.0	325.0	380.0	39.0	34.5	33.0	2.9	3.0	2.9	27.5	28.5	31.0
Marshall	140.0	155.0	160.0	31.0	26.0	24.0	.8	.9	.8	17.5	18.5	20.5
Polk	60.0	60.0	75.0	7.5	8.0	7.0	.9	.7	.6	6.7	7.1	7.6
Poweshiek	200.0	220.0	210.0	23.0	18.5	18.0	2.1	2.0	1.8	30.0	32.5	34.0
Story	150.0	155.0	180.0	20.0	16.5	16.0	.9	1.2	1.2	6.1	6.7	7.5
Tama	245.0	265.0	290.0	33.0	29.0	27.0	2.5	2.3	2.0	25.0	27.0	30.0
Webster	130.0	135.0	135.0	16.0	14.0	13.0	.5	.6	.6	5.0	5.6	6.4
C. District	2,250.0	2,450.0	2,600.0	334.0	320.0	300.0	15.0	15.0	14.0	168.0	180.0	195.0

hogs and grain fed cattle marketed and cows and heifers* that have calved (continued)

	Hogs Marketed (000)			Grain Fed Cattle Marketed (000)			Milk Cows (000)			Beef Cows (000)		
	1978	1979r	1980e	1978	1979r	1980e	1987	1979r	1980e	1978	1979r	1980e
Benton	270.0	290.0	335.0	44.5	44.0	41.0	3.0	3.1	3.1	20.0	21.0	22.0
Cedar	390.0	405.0	445.0	35.5	29.0	27.0	2.1	2.3	2.4	16.5	16.5	17.0
Clinton	330.0	355.0	360.0	78.0	72.0	67.0	4.4	4.6	4.6	17.5	18.5	20.0
Iowa	265.0	290.0	315.0	32.0	28.0	26.0	2.6	2.2	2.2	30.5	32.0	33.0
Jackson	180.0	190.0	215.0	40.0	35.0	33.0	12.0	11.5	11.5	32.5	35.0	35.5
Johnson	340.0	365.0	395.0	20.5	17.0	16.0	3.4	3.4	3.3	23.0	24.5	26.5
Jones	290.0	325.0	325.0	46.0	38.0	36.0	6.5	6.6	6.7	19.5	21.5	22.0
Linn	185.0	195.0	200.0	17.0	16.0	15.0	5.5	5.5	5.4	13.5	14.5	16.5
Muscatine	165.0	180.0	180.0	14.5	12.0	11.0	2.1	1.9	1.9	11.5	12.0	12.5
Scott	235.0	255.0	280.0	27.0	24.0	23.0	3.4	2.9	2.9	9.5	9.5	10.0
E.C. District	2,650.0	2,850.0	3,050.0	355.0	315.0	295.0	45.0	44.0	44.0	194.0	205.0	215.0
Adair	190.0	215.0	245.0	23.5	22.0	20.0	2.2	2.3	2.2	37.0	40.0	42.5
Adams	115.0	125.0	130.0	11.5	10.0	10.0	.6	.6	.6	23.0	22.0	24.5
Cass	195.0	215.0	235.0	44.0	41.0	38.0	1.4	1.0	1.0	26.0	27.5	29.5
Fremont	72.0	80.0	80.0	28.0	25.0	23.0	.4	.4	.5	12.5	13.0	15.0
Mills	64.0	73.0	68.0	29.5	28.0	26.0	.2	.3	.3	9.0	9.5	10.5
Montgomery	125.0	137.0	137.0	29.0	22.0	20.0	.7	.7	.7	15.0	15.0	17.0
Page	175.0	200.0	200.0	27.0	23.0	21.0	.8	.9	.9	21.0	22.5	24.5
Pottawattamie	215.0	240.0	255.0	128.0	101.0	95.0	1.2	1.2	1.2	25.0	24.0	27.0
Taylor	99.0	115.0	130.0	9.5	8.0	7.0	.5	.6	.6	25.5	26.5	29.5
S.W. District	1,250.0	1,400.0	1,480.0	330.0	280.0	260.0	8.0	8.0	8.0	194.0	200.0	220.0
Appanoose	49.0	52.0	54.0	3.2	2.9	3.0	.9	.8	.8	31.5	31.5	34.0
Clarke	72.0	85.0	82.0	4.5	3.9	3.7	.5	.4	.4	24.5	26.5	27.0
Decatur	54.0	58.0	55.0	4.3	4.6	4.3	1.1	1.0	.9	34.0	35.0	37.0
Lucas	60.0	69.0	69.0	5.3	4.7	4.4	.7	.7	.7	24.0	24.0	24.5
Madison	130.0	145.0	165.0	12.0	10.5	9.8	.8	1.0	1.1	29.5	31.5	31.0
Marion	220.0	250.0	270.0	18.0	15.0	14.0	2.7	2.3	2.2	21.0	22.0	24.0
Monroe	75.0	85.0	94.0	4.7	4.0	3.5	1.5	1.4	1.4	30.0	30.0	30.5
Ringgold	96.0	110.0	125.0	6.2	5.8	5.5	1.2	1.0	1.0	36.0	38.5	39.0
Union	85.0	100.0	110.0	8.6	7.9	7.3	.8	.8	.8	29.0	31.0	31.0
Warren	120.0	140.0	160.0	10.0	8.2	7.5	2.6	2.4	2.4	26.0	26.0	27.0
Wayne	61.0	64.0	65.0	7.2	7.5	7.0	1.2	1.2	1.3	31.5	34.0	35.0
S.C. District	1,022.0	1,158.0	1,249.0	84.0	75.0	70.0	14.0	13.0	13.0	317.0	330.0	340.0
Davis	62.0	70.0	80.0	4.0	3.5	3.5	3.0	2.7	2.7	29.5	28.0	30.0
Des Moines	97.0	105.0	105.0	13.0	11.0	10.0	.7	.7	.7	11.0	11.5	13.0
Henry	210.0	215.0	225.0	12.0	10.5	9.5	.7	.5	.5	13.0	14.0	13.5
Jefferson	150.0	150.0	145.0	9.0	7.5	7.0	.8	.8	.8	15.0	14.5	15.5
Keokuk	335.0	345.0	360.0	14.5	12.5	11.5	.9	.9	.9	24.0	24.5	25.0
Lee	165.0	175.0	200.0	17.0	16.0	14.5	2.5	2.5	2.5	13.5	13.5	15.0
Louisa	115.0	120.0	130.0	9.5	8.0	7.5	.1	.1	.1	7.0	6.5	7.5
Mahaska	380.0	410.0	465.0	42.5	39.5	36.5	2.2	2.1	2.1	17.5	18.0	20.5
Van Buren	86.0	100.0	105.0	5.0	4.5	4.5	1.0	.9	.9	21.0	22.0	24.0
Wapello	95.0	100.0	115.0	9.0	8.0	7.5	.9	.7	.7	18.5	20.0	21.5
Washington	405.0	460.0	520.0	22.5	19.0	18.0	1.2	1.1	1.1	16.0	17.5	19.5
S.E. District	2,100.0	2,250.0	2,450.0	158.0	140.0	130.0	14.0	13.0	13.0	186.0	190.0	205.0
State	19,822.0	21,758.0	23,409.0	3,342.0	2,890.0	2,690.0	374.0	372.0	378.0	1,684.0	1,746.0	1,860.0

*District data totals exceed state totals due to rounding to thousands of head.
r/Revised figures.
e/Estimated figures.
Source: Iowa Crop and Livestock Reporting Service.

grain fed sheep and lambs, hens and pullets

	Grain Fed Sheep and Lambs Marketed (000)			Hens and Pullets of Laying Age (000)		
	1978	1979^r	1980^c	1978	1979^r	1980^c
Buena Vista	6.8	5.7	8.1	57.0	54.0	59.0
Cherokee	1.9	1.9	2.7	15.0	13.0	14.5
Clay	4.2	3.6	5.1	156.0	165.0	175.0
Dickinson	2.0	1.6	2.3	105.0	94.0	98.0
Emmet	.5	.5	.7	84.0	74.0	80.0
Lyon	6.1	5.0	7.1	45.0	47.0	50.5
O'Brien	2.6	2.2	3.1	67.0	59.0	63.0
Osceola	8.3	6.9	9.8	73.0	62.0	67.0
Palo Alto	3.1	2.6	3.7	105.0	95.0	105.0
Plymouth	2.2	1.8	2.5	89.0	87.0	93.0
Pocahontas	3.1	3.1	4.4	150.0	150.0	160.0
Sioux	1.2	1.1	1.5	495.0	450.0	485.0
Northwest District	42.0	36.0	51.0	1,450.0	1,350.0	1,450.0
Butler	1.1	1.0	1.4	140.0	177.0	185.0
Cerro Gordo	1.3	1.2	1.7	93.0	66.0	66.0
Floyd	1.3	1.4	2.0	94.0	98.0	103.0
Franklin	4.8	5.2	7.5	235.0	230.0	235.0
Hancock	3.4	3.3	4.7	27.0	41.0	43.0
Humboldt	1.6	1.5	2.1	51.0	38.0	40.0
Kossuth	2.1	2.1	3.0	320.0	240.0	245.0
Mitchell	2.1	1.9	2.7	395.0	375.0	380.0
Winnebago	.9	1.0	1.4	33.0	35.0	36.0
Worth	1.2	1.1	1.6	41.0	28.5	29.0
Wright	1.2	1.3	1.9	71.0	46.5	48.0
North Central District	21.0	21.0	30.0	1,500.0	1,375.0	1,410.0
Allamakee	.5	.5	.7	58.0	40.0	41.0
Black Hawk	1.3	1.2	1.7	130.0	100.0	103.0
Bremer	2.1	1.8	2.5	69.0	65.0	66.0
Buchanan	1.6	1.6	2.3	120.0	80.0	81.0
Chickasaw	.7	.6	.8	155.0	105.0	105.0
Clayton	1.6	1.4	2.0	140.0	110.0	112.0
Delaware	.4	.4	.6	63.0	50.0	51.0
Dubuque	.6	.6	.8	71.0	55.0	56.0
Fayette	1.0	1.0	1.4	250.0	240.0	245.0
Howard	1.3	1.1	1.6	130.0	85.0	85.0
Winneshiek	1.9	1.8	2.6	164.0	150.0	155.0
Northeast District	13.0	12.0	17.0	1,350.0	1,080.0	1,100.0
Audubon	1.9	2.1	3.0	64.0	77.0	75.0
Calhoun	4.0	3.8	5.4	73.0	75.0	74.0
Carroll	.8	.7	1.0	18.5	20.0	18.0
Crawford	2.1	2.3	3.3	110.0	105.0	100.0
Greene	3.7	3.3	4.7	6.5	7.1	6.8
Guthrie	1.6	1.7	2.4	105.0	95.0	93.0
Harrison	1.0	.9	1.3	7.2	7.6	7.3
Ida	2.0	1.8	2.6	14.0	13.5	13.0
Monona	1.3	1.1	1.6	8.8	9.3	8.9
Sac	2.5	2.6	3.7	100.0	120.0	115.0
Shelby	1.5	1.3	1.8	33.0	30.0	29.0
Woodbury	4.6	4.4	6.2	10.0	10.5	10.0
West Central District	27.0	26.0	37.0	550.0	570.0	550.0
Boone	2.6	2.4	3.3	245.0	190.0	190.0
Dallas	.4	.5	.7	185.0	150.0	145.0
Grundy	24.5	23.9	33.5	32.5	34.0	33.0
Hamilton	.8	.8	1.1	72.0	98.0	97.0
Hardin	.8	.8	1.1	76.0	60.0	60.0
Jasper	1.7	1.6	2.2	61.0	62.0	61.0
Marshall	1.3	1.3	1.8	76.0	51.0	50.0
Polk	.9	1.0	1.4	4.5	9.0	9.0
Poweshiek	1.7	1.6	2.2	68.0	51.0	51.0
Story	2.4	2.3	3.2	110.0	95.0	94.0
Tama	1.4	1.3	1.8	130.0	120.0	115.0
Webster	.5	.5	.7	840.0	830.0	820.0
Central District	39.0	38.0	53.0	1,900.0	1,750.0	1,725.0
Benton	2.4	2.1	3.0	46.0	32.5	36.5
Cedar	3.5	3.5	5.0	31.0	27.0	31.0
Clinton	1.0	.9	1.3	67.0	45.5	51.0
Iowa	3.5	3.0	4.2	40.5	26.0	29.0
Jackson	.7	.6	.8	91.0	63.0	67.0
Johnson	10.5	9.8	13.9	165.0	115.0	125.0
Jones	1.3	1.1	1.6	16.5	14.0	15.5
Linn	1.1	1.2	1.7	73.0	48.0	52.0
Muscatine	1.1	1.0	1.4	12.0	11.0	13.0
Scott	.9	.8	1.1	88.0	83.0	90.0
East Central District	26.0	24.0	34.0	630.0	465.0	510.0
Adair	4.2	4.2	5.8	12.5	13.0	12.0
Adams	1.3	1.3	1.8	5.9	6.1	5.5
Cass	5.3	5.3	7.4	81.	8.5	7.7
Fremont	N/A	.2	.3	2.3	2.3	2.1
Mills	N/A	.4	.6	3.4	3.6	3.2
Montgomery	1.5	1.5	2.1	7.6	7.9	7.3
Page	.8	.8	1.1	9.2	9.6	8.7
Pottawattamie	1.6	1.6	2.2	42.0	43.5	41.0
Taylor	2.7	2.7	3.7	34.0	35.5	32.5
Southwest District	18.0	18.0	25.0	125.0	130.0	120.0
Appanoose	3.8	3.0	4.3	2.0	2.2	2.6
Clarke	.8	.7	1.0	4.2	4.5	5.0
Decatur	.8	.8	1.1	2.3	2.5	2.8
Lucas	4.2	3.6	5.2	25.4	22.0	25.0
Madison	1.5	1.4	2.0	20.5	23.0	26.0
Marion	5.6	4.9	7.0	89.0	81.0	93.0
Monroe	2.8	2.4	3.4	14.0	14.0	15.5
Ringgold	1.0	1.0	1.4	14.5	15.0	17.5
Union	.6	.6	.9	1.6	2.3	2.6
Warren	.9	.9	1.3	42.5	50.0	55.0
Wayne	2.0	1.7	2.4	9.0	13.5	15.0
South Central District	24.0	21.0	30.0	225.0	230.0	260.0
Davis	3.0	2.4	3.3	56.0	63.0	66.0
Des Moines	.9	.8	1.1	30.0	33.7	35.0
Henry	4.7	4.7	6.5	54.0	23.0	25.0
Jefferson	2.6	2.1	2.9	7.4	8.0	8.0
Keokuk	5.9	4.9	6.8	35.0	74.0	75.0
Lee	2.5	2.0	2.8	16.5	12.0	14.0
Louisa	.8	.7	1.0	3.4	3.3	3.5
Mahaska	2.0	1.7	2.4	240.0	190.0	195.0
Van Buren	2.0	1.9	2.6	6.7	8.0	8.5
Wapello	.9	.9	1.2	135.0	130.0	135.0
Washington	4.7	3.9	5.4	86.0	205.0	210.0
Southeast District	30.0	26.0	36.0	670.0	750.0	775.0
State	240.0	222.0	313.0	8,400.0	7,700.0	7,900.0

r/Revised
e/Estimates
Source: Iowa Crop and Livestock Reporting Service.

Iowa is surprisingly industrial

Since Iowa is often considered an agricultural state, many people do not realize industry generates about three times as much in total revenue as does agriculture.

Because Iowa workers are among the most highly educated and are more productive than the national average, capital intensive, well-paying industries are attracted to the state. Nearly 130 of *Fortune's* "Top 500" companies have manufacturing plants in Iowa.

INDUSTRIAL DEVELOPMENT ACTIVITY IN IOWA

	New Industry		Expansions		Totals	
	Number	Capital Investment (000)	Number	Capital Investment (000)	Number	Capital Investment (000)
1971	50	56,097	119	52,394	169	108,491
1972	75	71,346	181	122,733	256	194,079
1973	98	202,801	277	322,477	375	525,278
1974	88	85,268	227	275,919	315	361,187
1975	61	88,135	125	183,982	186	272,117
1976	75	58,884	156	318,343	231	377,227
1977	75	59,732	113	321,821	188	381,553
1978	75	72,603	130	398,414	205	471,017
1979	100	275,096	176	491,709	276	766,805
1980	87	410,920	144	233,974	231	644,894
10 yr. Totals	784	1,380,882	1,648	2,721,766	2,432	4,104,648

Source: Industrial Development Division, Iowa Development Commission.

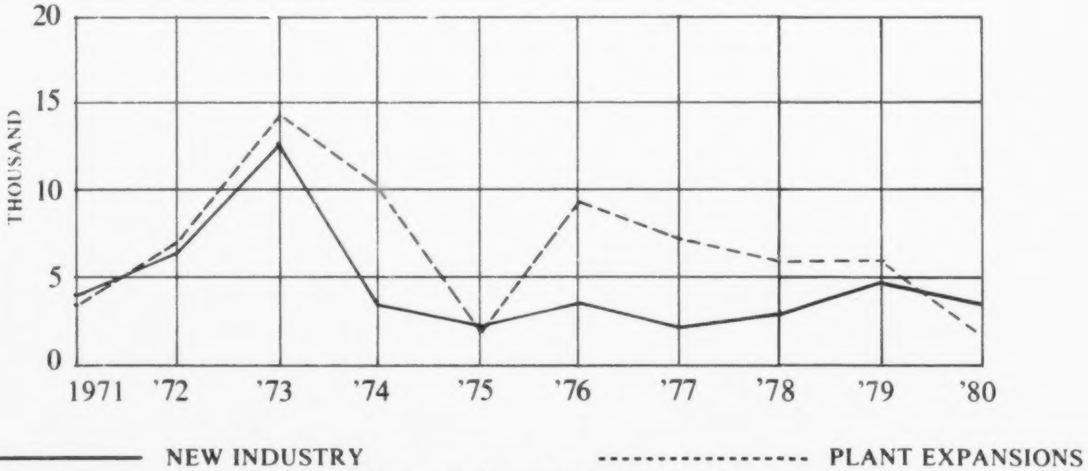
workers are 20% better

Compared to the average American production worker, Iowans are 20 percent more efficient. They put in the equivalent of 62½ weeks a year, or 48 hours a week, when stacked against the national average.

This means the typical Iowa worker produces $9,887 more value per year than his average counterpart throughout America.

Iowa workers work.

NEW JOBS CREATED IN MANUFACTURING



10 YR. TOTALS -	NEW INDUSTRY	43,698
	PLANT EXPANSIONS	67,639
	TOTAL	111,337

Source: Industrial Development Division, Iowa Development Commission.

Check the advantages of locating facilities in Iowa. Each year new factors conducive to growth and expansion are added to Iowa's growing list of industrial advantages.

industrial revenue bonds 1980

Iowa law permits city and county governments to authorize revenue bonds for up to $10 million, for buildings, buying land and equipping plants. The table below shows bonds issued 1978 through 1980.

City	Amount ($000)	Employment[1] Initial
1978		
Ames	450	A
Ankeny	2,200	A
Ankeny	500	A
Ankeny	750	A
Burlington	700	A
Camanche	202	A
Cedar Falls	300	A
Centerville	2,300	D
Clarion	3,000	D
Corning	900	C
Council Bluffs	100	A
Council Bluffs	325	A
Creston	1,500	A
Dakota City	500	B
Davenport	1,500	B
Davenport	1,300	A
Donahue	1,200	A
Eldridge	3,100	B
Eldridge	1,450	B
Hancock County	1,000	D
Harlan	1,000	D
Houghton	1,000	B
Johnston	1,000	A
Keokuk	1,000	D
Keokuk	1,000	A
Keokuk	1,000	C
Lineville	1,000	A
Maquoketa	375	B
Mason City	2,200	A
Mason City	800	B
Mount Pleasant	700	B
Muscatine	1,000	B
Osceola	1,250	B
Ottumwa	500	D
Polk County	450	A
Polk County	400	A
Polk County	450	A
Polk County	300	A
Red Oak	150	A
Reinbeck	1,000	A
Spencer	1,000	D
Spencer	140	A
Spencer	200	A
Victor	1,000	B
Vincent	225	A
Waverly	500	B
West Union	450	B
Williamsburg	2,400	C
Wilton	1,250	B
1979		
Adair	670	B
Albia	265	A
Algona	1,000	A
Alton	300	A
Bettendorf	600	B
Boone	2,100	A
Burlington	700	A
Camanche	300	A
Camanche	100	A
Cedar Rapids	275	A
Cedar Rapids	997.5	C
Cedar Rapids	1,000	A
Cerro Gordo County	1,000	A
Cherokee	1,000	B
Clinton	600	B
Council Bluffs	1,100	A
Davenport	750	B
Davenport	500	A
Davenport	1,000	A
Davenport	500	A
Decorah	700	C
Des Moines	1,000	A
Des Moines	7,000	N/A
Des Moines	1,000	N/A
Dubuque County	1,000	B
Dubuque	410	A
Fairfield	900	C
Fairfield	175	A
Fremont	210	A
Hancock County	3,500	A
Jasper County	600	A
Keosauqua	1,400	B
Kossuth County	800	A
Kossuth County	600	A
LeMars	1,500	A
Lineville	200	A
Mason City	6,000	E
Marion	600	A
McGregor	1,500	A
Milford	800	C
Mount Pleasant	1,900	A
Mount Pleasant	356	B
Muscatine	2,800	B
Muscatine	1,300	C
Northwood	210	A
Oakland	3,500	D
Osage	1,500	B
Osceola	450	B
Oskaloosa	950	B
Polk County	450	A
Polk County	400	A
Polk County	550	A
Polk County	510	A
Red Oak	5,500	C
Sac City	725	A
Sioux City	480	A
Somers	1,200	A
Superior	300	A
Urbandale	525	A
Waukee	700	A
Waterloo	3,000	A
Waterloo	600	B
Waterloo	1,000	A
West Des Moines	1,500	A
1980		
Albia	300	A
Alden	50	A
Ames	430	A
Ankeny	850	B
Bettendorf	725	A
Boone	300	A
Boone	900	A
Boyden	500	B
Camanche	500	D
Cascade	350	A
Cedar Falls	600	A
Cedar Rapids	560	E
Cedar Rapids	550	A
Cedar Rapids	3,000	B
Cedar Rapids	560	A
Cedar Rapids	3,000	B
Cedar Rapids	2 500	C
Cedar Rapids	670	A
Centerville	650	B
Chariton	450	C
Chariton	4,000	B
Chickasaw County	400	A
Clare	200	A
Clive	425	A
Clive	1,900	A
Clive	750	A
Clive	750	A
Clive	300	A
Council Bluffs	220	A
Council Bluffs	400	A
Corydon	500	A
Dallas County	4,500	D
Davenport	9,630	D
Davenport	500	A
Denison	2,000	A
Des Moines	700	A
Des Moines	315	A
Des Moines	400	A
Dexter	350	A
Dubuque	1,000	A
Eldridge	475	A
Eldridge	300	A
Estherville	550	B
Fairfield	660	A
Fort Dodge	4,400	C
Forest City	150	B
Greene County	1,750	A
Greenfield	4,750	A
Iowa City	1,500	C
Jasper County	600	A
LeMars	1,000	A
Manchester	9,000	A
Marcus	1,500	D
Marengo	10,000	C
Mason City	450	A
Mason City	4,500	D
Mount Pleasant	4,500	A
Muscatine County	3,500	A
Newton	600	A
Ocheyden	200	A
Oelwein	565	B
Orange City	1,500	A
Orange City	1,000	B
Orange City	500	A
Oskaloosa	500	A
Pella	400	A
Pella	175	A
Polk County	225	A
Polk County	250	A
Polk County	400	A
Polk County	971	A
Polk County	1,000	A
Polk County	1,000	A
Polk County	500	A
Preston	500	A
Sibley	600	B
Sioux City	500	A
Spencer	683	D
Spencer	250	A
Spencer	250	A
Steamboat Rock	150	A
Storm Lake	3,690	A
Tama	800	A
Tipton	700	B
Wapello	900	B
Waterloo	450	A
Webster City	400	A
Webster City	500	A
West Des Moines	925	A
West Des Moines	340	A
1980 Total	117,634	

N/A - Not Available

Source: Industrial Development Division, Iowa Development Commission.

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[1] Employment Code A=1-20, B=21-50, C=51-100, D=101-250, E=251-500, F=501-1,000, G=Over 1,000.

Iowa gives tax break for pollution control

Iowa law includes revenue bond financing for pollution control facilities. Under Internal Revenue regulations, such bonds are tax-free for the investor. Table shows bonds issued, 1977 through 1980.

City	Amount ($000)
1977	
Cedar Rapids	900
Chillicothe	10,000
Council Bluffs	3,150
Council Bluffs	1,575
Council Bluffs	1,585
Council Bluffs	12,750
Council Bluffs	18,000
Council Bluffs	1,000
Fort Dodge	980
Fort Madison	12,000
Keokuk	3,500
Salix	2,375
Salix	8,000
Salix	7,150
Salix	4,000
1978	
Chillicothe	5,900
Council Bluffs	2,730
Hancock County	1,270
Pleasant Hill	1,270
Pleasant Hill	1,000
1979	
Clinton	6,650
Hancock County	180
Independence	1,000
Lisbon	190
1980	
Chillicothe	5,300
Chillicothe	6,850
Chillicothe	6,400
Chillicothe	2,400
Chillicothe	1,000
Fort Madison	3,000

Source: Industrial Division, Iowa Development Commission.

trouble getting credit? IOWA helps

The Iowa Business Development Credit Corporation is set up to finance sound Iowa business enterprises that might be unable to get reasonable financing elsewhere. Table shows Iowa's good record.

(Dollars in 000)

BDC	# of New Loans	New Loans Gross $ Amount	Total # of Loans Outstanding	Loans Outstanding Net $ *Amount	Net Loan Charge Off During 1980
Arkansas	4	$ 8,400	16	$ 5,201	00
California	1	31,000	9	1,439,575	00
Florida	9	2,197	44	7,274	105
Georgia	18	4,244	26	5,263	12
Iowa	11	1,809	47	3,705	56
Kansas	6	4,035	39	4,981	9
Kentucky	2	612	16	3,284	00
Maryland	12	3,330	46	5,367	118
Massachusetts	22	6,800	46	8,620	37
Missouri	17	4,535	25	7,019	51
Montana	00	00	5	351	1
Nebraska	3	895	21	1,768	8
New Hampshire	3	525	22	1,916	00
New York	29	10,072	125	16,431	34
North Carolina	00	00	36	6,244	00
North Dakota	9	1,403	22	2,588	00
Oklahoma	9	5,160	9	2,252	00
Pennsylvania	15	2,783	20	2,958	73
Southeastern Pennsylvania	15	3,441	33	5,418	15
Western Pennsylvania	11	1,660	26	3,750	23
Rhode Island	2	625	15	1,384	00
South Carolina	3	368	15	1,263	10
Washington	9	508	32	134	2
Wyoming	5	1,235	4,129	39	00

*Amount = Net of participations used since gross amount was not available.
Source: National Association of Business Development Corporations.

127 of top 500 have 294 plants in Iowa

Company	Rank
AMAX	131
AMF	225
ARMCO Steel	58
Air Products & Chemical Co.	242
Aluminum Co. of America	63
American Can Co.	76
American Cyamamid Co.	106
American Home Products	96
American Standard	145
Amstead Industries	321
Anderson, Clayton & Co.	213
Archer Daniels Midland Co.	139
Beatrice Foods Co.	37
Bendix Corp.	87
Borg-Warner Corp.	146
Campbell Taggart Inc.	283
Carnation Co.	113
Caterpillar Tractor Company	33
Central Soya	207
Certain Teed/Daymond Co.	333
Champion International	99
Champion Spark Plug	351
Chromally American Corp.	231
Coca Cola Co.	56
Con Agra Inc.	340
Consolidated Foods Corp.	62
Continental Group	65
Crane Co.	228
Dart & Kraft	31
Dayco	380
Deere & Co.	60
Dow Chemical Co.	25
Dow Jones Inc.	462
Dresser Industries	93
E. I. duPont deNemours	15
Eaton Corp.	115
Emerson Electric Co.	124
Esmark Inc.	50
Ethyl Corp.	208
Ex-CELL-O Corp.	297
FMC Corp.	103
Farmland Industries Inc.	80
Federal Co.	310
Firestone Tire & Rubber Co.	73
Fruehauf Corp.	180
Gannett Co. Inc.	270
General Electric	10
General Foods Corp.	55
General Mills Inc.	89
General Motors	3
Georgia-Pacific Corp.	68
Getty Oil Co.	26
Goodyear Tire & Rubber Co.	36
W. R. Grace & Co.	51
Greyhound Corp.	78
Gulf & Western Industries Inc.	57
Harnischfeger Corp.	416
Harsco Corp.	291
H. J. Heinz Co.	133
Hoover Universal Inc.	439
Geo. A. Hormel & Co.	253
IC Industries Inc.	90
International Harvester Corp.	49
International Multifoods Corp.	290
International Paper Co.	67
International Telephone & Telegraph Corp.	13
Johns-Manville Corp.	166
Kaiser Aluminum & Chemical Co.	114
Kane-Miller Corp.	421
Kidde, Walter & Co., Inc.	156
LTV Corp.	42
Land O'Lakes, Inc.	109
Lear Siegler	241
Libby-Owens-Ford Co.	280
Thomas J. Lipton	352
Litton Industries Inc.	88
MAPCO	204
Martin-Marietta Corp.	149
Mead Corp.	144
Midland Cooperatives	464
Minnesota, Mining & Manufacturing Co.	52
Monsanto Co.	48
Motorola Inc.	121
National Distillers & Chemical Co.	205
National Gypsum Co.	308
North American Phillips Corp.	148
Occidental Petroleum Corp.	20
Parker Hannifin	296
Pepsico Inc.	54
Pfizer Inc.	126
Phillips Petroleum Co.	16
Procter & Gamble Co.	24
Quaker Oats Co.	160
Ralston Purina Co.	72
Raytheon Co.	69
Rexnord Inc.	288
Rockwell International	46
St. Regis Paper Co.	143
G. D. Searle & Co.	289
Shellar-Globe Corp.	465
Signal Companies	85
Sperry Rand Corp.	77
Square D Co.	302
A. E. Staley Mfg. Co.	218
Standard Brands Inc.	128
Standard Oil of California	5
Standard Oil of Indiana	9
Sundstrand Corp.	319
Sybron Corp.	354
TRW Inc.	70
Tenneco, Inc.	17
Textron Inc.	102
Trane Co.	355
Union Carbide Corp.	27
Uniroyal, Inc.	164
United Brands Co.	97
United States Gypsum Co.	234
United States Steel Corp.	19
Upjohn Co.	206
Jim Walter Corp.	189
Western Electric	22
Westinghouse Electric Corp.	34
Weyerhauser Co.	83
Wheelbrator Frye, Inc.	255
White Consolidated Industries	184
Witco Chemical Corp.	279

Source: 1980 Fortune Magazine's annual listing of 500 largest manufacturers ranked by sales.

Iowa towns can get a million-dollar surge from 100 new industrial jobs

When a new factory comes to town, the economy snowballs. The total community payroll increases, the plant buys manufacturing materials and services, and its people buy the domestic things they need.

No one has nailed down the *exact* economic impact, but this study gives a pretty good idea.

Changes Between 1960 and 1970 in Counties Which Industrialized and Counties Which Did Not Industrialize

	Changes in Counties which Industrialized	Changes in Counties which did not Industrialize*	Net Change between two Groups of Counties	Net Change per Increase of 100 Manufacturing Employees
Population	+56,796	-23,989	+80,785	+351
Families	+19,642	-2,610	+22,252	+97
School Enrollment	+18,080	-16	+18,096	+79
Personal Income**	+$562,427,000	+$324,109,000	+$238,318,000	+$1,036,000
Retail Establishments***	+372	+158	+214	+1
Retail Sales***	+$241,143,000	+$111,147,000	+$129,996,000	+$565,000
Bank Deposits	+$276,962,000	+$164,200,000	+$112,762,000	+$490,000
Employment in:				
Manufacturing	+25,677	+2,677	+23,000	+100
Wholesale & Retail Trade	+7,353	+2,485	+4,868	+21
Professional and Related Services	+10,812	+6,870	+3,942	+17
Transportation, Communication and other Public Utilities	+2,791	+276	+2,515	+11
Finance, Insurance and Real Estate	+1,900	+585	+1,315	+6
Business and Personal Services	+436	-682	+1,118	+5
Construction	+2,428	+1,761	+667	+3
Agriculture, Mining and Industry not Reported	-16,929	-18,210	+1,281	+5
Total, All Industries	+34,468	-4,238	+38,706	+168

* Actual changes in these counties multiplied by 2.32 to compensate for smaller population and employment in the group of counties which did not industrialize

** Change in personal income is from 1959 to 1969

*** Change in retail establishments and retail sales is from 1958 to 1967

Changes Between 1960 and 1970 in Metropolitan Areas with Greater and Lesser Employment Growth

	Metropolitan areas with greater employment growth	Metropolitan areas with lesser employment growth*	Net change between two groups of areas	Net change per 100 increase in employment
Employment (manufacturing and nonmanufacturing)	+5,690,652	+2,000,430	+3,690,222	+100
Population	+12,519,000	+3,461,000	+9,058,000	+245
Families	+3,533,540	+971,171	+2,562,369	+69
School enrollment	+6,012,287	+3,069,701	+2,942,586	+80
Personal income**	+$112,598,000,000	+$80,425,000,000	+$32,173,000,000	+$872,000
Retail establishments***	+42,969	31,882	+74,851	+2
Retail sales***	+$37,193,000,000	+$22,612,000,000	+$14,581,000,000	+$395,000
Bank deposits	+$54,984,000,000	+$37,252,000,000	+$17,732,000,000	+$481,000

* Actual change in these areas multiplied by 1.23 to compensate for smaller total 1960 population in the group of areas with lesser employment growth

** Change in personal income is from 1959 to 1969

*** Change in retail establishments and retail sales is from 1958 to 1967

Source: Chamber of Commerce of The United States, 1973

open port warehousing favors distribution

You can move goods into an Iowa warehouse, divide them, repackage them, label them—all without paying any property tax so long as the goods are destined for final delivery outside Iowa.

This is a tremendous advantage to a distributor of, say, consumer goods who ships to major geographic areas in bulk, but breaks shipments into smaller units for delivery into more limited market areas.

Iowa tops production value per worker

	1960	1965	1970	1975	1977	1978
Iowa	$14,076	$19,005	$25,046	$44,001	$51,269	$56,071
Minnesota	15,129	19,621	24,312	37,607	44,008	47,800
Kansas	15,224	19,056	24,805	36,159	44,214	46,514
Illinois	14,914	18,858	24,089	39,225	46,948	51,556
Nebraska	13,892	18,169	24,950	38,254	45,957	48,575
Missouri	13,468	17,065	22,293	34,347	42,640	48,771
Wisconsin	13,762	16,924	21,885	35,403	43,729	47,129
South Dakota	12,170	14,827	19,025	26,488	37,103	41,022
Indiana	14,134	18,218	22,197	34,696	43,374	47,433
Ohio	15,155	19,082	23,544	37,201	46,900	50,796
Midwest Average[1]	14,079	17,941	23,301	36,436	44,614	48,567
United States Average	13,431	17,355	22,193	35,065	42,734	46,184

[1] Average is simple average rather than weighted average of the ten state area including Iowa.

Source: 1978 Annual Survey of Manufactures, U.S. Department of Commerce, Bureau of The Census.

Iowa's value-added-per-payroll-dollar ranks high[1]

	1960	1965	1970	1975	1977	1978
Iowa	$1.97	$2.16	$2.22	$2.58	$2.58	$2.64
Minnesota	1.90	2.03	1.94	1.96	1.97	2.03
Kansas	2.06	2.25	2.32	2.48	2.51	2.43
Illinois	1.85	2.02	1.94	2.06	2.14	2.18
Nebraska	2.02	2.31	2.58	2.68	2.54	2.63
Missouri	1.92	1.95	1.92	2.08	2.23	2.29
Wisconsin	1.83	1.93	1.91	2.14	2.27	2.22
South Dakota	1.92	2.02	1.91	2.24	2.45	2.41
Indiana	1.89	2.09	1.97	2.04	2.16	2.19
Ohio	1.69	1.95	1.88	2.02	2.10	2.10
Midwest Average[2]	1.93	2.08	2.09	2.28	2.29	2.31
United States Average	1.96	1.99	1.96	2.10	2.20	2.20

[1] Payroll of all employees.

[2] Average is a simple average rather than a weighted average of ten state area including Iowa.

Source: 1978 Annual Survey of Manufactures. U.S. Department of Commerce, Bureau of The Census.

Iowa industrial statistics

1976

Ind Code	Industry groups and Standard metropolitan statistical area, county, and city	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of industry shipments (million dollars)	Capital expenditures new (million dollars)	End-of-year inventories (million dollars)
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)					
	Iowa	231.1	2,994.8	164.0	312.8	1,910.3	7,798.6	13,126.6	20,772.3	709.5	2,698.1
20	Food and Kindred Products	43.5	606.5	30.7	62.0	419.9	1,669.3	7,389.3	9,020.0	150.1	448.1
201	Meat Products	22.4	337.1	17.9	36.3	268.4	657.6	4,534.4	5,195.0	27.9	130.6
2011	Meatpacking Plants	19.6	309.3	15.4	31.2	246.0	558.7	4,234.9	4,800.5	24.6	90.6
202	Dairy Products	3.1	37.2	2.1	4.3	22.0	128.4	515.2	635.3	6.5	30.1
204	Grain Mill Products	9.9	137.6	6.0	12.0	79.8	532.8	1,141.8	1,671.9	85.8	115.9
2048	Prepared Feeds, Nec.	3.9	44.3	1.6	3.6	16.0	150.6	405.0	554.8	7.2	27.9
22	Textile Mill Products	.4	2.7	.4	.8	1.9	5.1	4.3	9.4	.1	1.9
23	Apparel, Oth. Textile Prods.	3.7	25.5	3.2	6.2	18.1	38.2	37.9	76.2	1.4	13.4
24	Lumber and Wood Products	4.9	47.1	4.2	7.6	36.0	97.9	127.6	230.1	5.6	31.0
243	Millwork, Plywood, Struc. Membs.	2.8	29.3	2.4	4.5	22.5	53.2	60.2	117.6	3.2	16.0
25	Furniture and Fixtures	2.8	38.9	2.1	4.0	23.7	83.3	77.2	158.1	4.2	22.3
26	Paper and Allied Products	4.5	52.7	3.5	7.2	37.3	142.4	216.5	354.0	23.4	45.3
27	Printing and Publishing	14.1	158.3	8.6	15.9	79.2	360.5	225.8	582.7	33.2	47.2
2711	Newspapers	5.2	57.4	2.9	5.3	25.4	127.9	35.9	163.8	9.4	4.8
275	Commercial Printing	3.7	32.7	2.8	5.0	20.4	58.5	36.8	95.5	(D)	13.8
28	Chemicals, Allied Products	6.0	84.6	3.8	7.4	45.3	926.9	632.7	1,564.5	85.0	136.8
29	Petroleum and Coal Products	.3	3.0	.2	.5	2.1	7.7	10.7	18.6	(Z)	1.1
30	Rubber, Misc. Plastics Prod.	11.5	130.4	9.2	15.0	93.8	384.4	327.5	716.4	30.1	94.7
3079	Miscellaneous Plastics Products	5.6	63.7	4.5	7.9	45.6	163.8	143.0	303.1	20.6	31.1
31	Leather, Leather Products	1.0	8.5	.8	1.5	5.8	12.5	9.3	21.5	.7	6.2
32	Stone, Clay, Glass Products	8.0	89.6	6.6	13.0	68.0	243.5	274.0	512.1	31.8	52.4
327	Concrete, Gypsum, Plaster Prods.	4.5	51.0	3.6	7.5	37.0	132.1	149.4	280.6	14.1	13.4
3273	Ready-Mixed Concrete	2.7	27.2	2.0	3.7	18.6	70.3	100.3	170.8	11.1	3.8
33	Primary Metal Industries	7.7	109.7	6.0	11.6	80.6	280.2	443.0	666.1	41.8	218.1
332	Iron and Steel Foundries	2.6	36.0	2.0	3.6	26.1	59.0	68.3	127.7	12.7	10.5
34	Fabricated Metal Products	18.6	214.7	13.2	24.6	129.9	470.9	360.5	822.6	37.3	178.2
344	Fabricated Struc. Metal Prods.	6.4	65.3	5.1	9.8	45.6	141.5	148.4	281.2	6.1	71.0
349	Misc. Fabricated Metal Products	6.1	86.8	3.6	6.6	44.7	189.8	108.5	296.2	8.1	69.8
3494	Valves and Pipe Fittings	4.1	61.4	2.4	4.5	33.2	129.4	67.7	192.7	6.9	50.7
35	Machinery, Except Electric	57.1	858.7	41.4	78.6	581.7	1,894.1	1,934.4	3,826.4	191.7	980.0
352	Farm and Garden Machinery	26.2	398.3	19.5	36.6	280.4	980.1	933.1	1,920.0	53.3	437.9
353	Construction, Related Machinery	18.0	287.9	12.7	24.0	192.1	573.4	661.0	1,243.7	86.6	376.9
3531	Construction Machinery	16.7	271.8	11.8	22.4	183.0	547.1	622.9	1,178.4	83.0	360.6
36	Electric, Electronic Equip.	24.4	285.0	16.9	31.5	177.1	741.5	566.6	1,284.7	57.5	237.3
363	Household Appliances	6.8	76.7	5.3	9.8	57.0	268.8	249.4	509.1	39.7	64.5
367	Electronic Components, Access	3.5	29.5	3.0	6.0	22.1	59.1	40.1	100.1	2.3	13.2
37	Transportation Equipment	9.1	98.1	7.0	13.6	60.0	239.7	375.2	597.7	6.2	116.6
371	Motor Vehicles and Equipment	8.5	90.1	6.7	13.1	56.6	226.4	367.6	576.0	(D)	109.3
3713	Truck and Bus Bodies	5.1	50.1	4.0	7.7	28.1	122.9	245.0	352.2	(D)	73.8
38	Instruments, Related Prods.	2.2	24.7	1.5	2.8	13.6	47.7	18.2	64.3	2.5	16.6
39	Misc. Manufacturing Indus.	6.4	59.6	4.8	8.8	36.3	152.7	95.7	247.0	7.0	50.9
394	Toys and Sporting Goods	3.1	26.4	2.3	3.9	15.3	72.7	43.8	116.8	4.6	25.7
—	Administrative and Auxiliary	4.7	96.6	—	—	—	—	—	—	—	—
Iowa		231.1	2,994.8	164.0	312.8	1,910.3	7,798.6	13,126.6	20,772.3	709.5	2,698.1
Standard Metropolitan Statistical Areas											
Cedar Rapids, Iowa		28.2	377.1	16.7	32.5	206.0	867.1	1,361.2	2,200.4	91.1	362.0
Davenport-Rock Island-Moline, Iowa—Ill.		45.7	767.0	32.2	60.4	449.7	1,469.9	2,261.7	3,676.1	161.8	707.4
Des Moines, Iowa		27.1	355.3	17.2	30.9	190.0	828.7	1,239.1	2,054.6	44.8	259.0
Dubuque, Iowa		15.3	236.7	11.0	22.0	159.8	433.3	789.4	1,248.8	36.9	211.5
Omaha, Nebr.—Iowa		33.7	403.1	23.4	44.0	253.2	1,123.3	2,582.6	3,687.9	74.9	346.1
Sioux City, Iowa—Nebr.		11.2	144.1	7.9	15.9	94.2	299.4	1,818.4	2,120.5	17.1	100.1
Waterloo-Cedar Falls, Iowa		19.9	307.7	14.4	26.8	215.5	625.3	783.0	1,425.2	67.0	234.7
	Counties										
Black Hawk		19.9	307.7	14.4	26.8	215.5	625.3	783.0	1,425.2	67.0	234.7
Clinton		7.2	89.6	5.5	10.4	63.6	319.7	435.9	755.4	29.0	96.8
Des Moines		6.8	86.1	4.7	8.9	52.3	243.7	189.6	432.9	13.0	51.9
Dubuque		15.3	236.7	11.0	22.0	159.8	433.3	789.4	1,248.8	36.9	211.5
Jasper		5.2	64.7	3.4	6.1	37.6	209.5	141.6	350.1	29.3	38.9
Lee		7.1	86.1	5.3	10.3	58.3	293.0	384.4	675.3	87.5	93.6
Linn		28.2	377.1	16.7	32.5	206.0	867.1	1,361.2	2,200.4	91.1	362.0
Marshall		6.4	100.1	3.8	7.0	53.5	195.0	201.7	392.7	11.0	64.5
Muscatine		7.4	91.8	5.3	10.6	56.5	382.2	448.8	827.6	50.0	69.3
Polk		26.4	350.0	16.7	29.9	186.6	817.1	1,226.1	2,031.1	44.7	252.0
Scott		15.3	236.7	11.1	21.3	160.6	512.8	816.4	1,266.7	78.3	305.7
	Places With 20,000 or More Employees										
Cedar Rapids		27.2	365.9	16.0	31.2	200.1	847.5	1,345.5	2,165.6	90.1	355.6

D withheld to avoid disclosing figures for individual companies.

The publication of "all industries" totals at the county level is limited to the large industrial counties (those with over 5,000 manufacturing employees) which could be shown without disclosing figures for individual companies and for which a reliable estimate was obtained. The sample for the annual survey of manufactures was not designed to obtain reliable data for smaller counties.

The total value of shipments and cost of materials data for industry groups (2 and 3 digit) and a few individual industries (4 digit) include extensive duplication arising from shipments between establishments in the same industry classification.

Source: Annual Survey of Manufactures, U.S. Dept. of Commerce, Bureau of the Census.

Iowa industrial information (continued)

1972

		1972											1967	
		Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	All employees	Value added by manufacture
Standard metropolitan statistical area, county, and city		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(1,000)	(million dollars)
IOWA, TOTAL		3,388	1,170	215.5	2,038.9	157.0	311.3	1,355.0	4,757.7	7,947.0	12,598.7	329.4	210.1	3,250.9
Standard Metropolitan Statistical Areas														
Cedar Rapids		192	70	22.2	224.0	14.2	29.0	129.0	471.4	742.7	1,202.8	22.5	28.3	421.8
Davenport-Rock Island-Moline		417	168	41.7	463.7	29.9	57.7	300.7	853.1	1,237.1	2,014.4	36.7	40.3	769.9
Portion in Illinois		257	103	26.6	295.8	18.8	35.2	184.2	545.9	712.6	1,192.3	15.6	33.1	517.3
Portion in Iowa		160	65	15.2	168.0	11.1	22.6	116.5	307.3	524.5	822.1	21.1	16.3	252.6
Des Moines		439	149	26.9	271.1	18.0	34.5	162.7	569.8	835.2	1,386.8	24.0	25.4	391.8
Dubuque		111	43	15.0	166.1	11.2	22.1	118.6	348.8	531.3	865.3	10.8	12.3	201.5
Omaha		613	253	38.0	341.1	27.9	55.2	225.0	846.3	1,946.1	2,762.3	41.2	36.6	603.9
Portion in Iowa		72	25	3.3	23.7	2.7	5.4	16.8	75.4	219.9	293.7	4.1	2.0	23.1
Portion in Nebraska		541	228	34.7	317.4	25.2	49.8	208.2	770.9	1,726.2	2,468.6	37.1	34.6	580.7
Sioux City		158	62	10.5	87.7	7.7	15.8	57.2	196.2	1,067.9	1,263.1	11.1	9.2	117.2
Portion in Iowa		139	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Portion in Nebraska		19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Waterloo-Cedar Falls		156	63	19.5	208.7	15.0	28.9	155.3	436.7	443.6	875.1	39.7	21.0	311.6
COUNTIES														
Adair	E5	10		(Z)	2	(Z)	(Z)	1	5	5	9	1	(Z)	2
Adams	E2	8		(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	(D)	(D)
Allamakee		25	6	1.0	6.3	9	1.7	4.8	16.0	59.0	73.7	4	5	5.5
Appanoose		24	10	1.1	6.2	9	1.9	4.8	19.8	15.5	35.0	7	1.0	13.9
Audubon		10	3	2	8	1	2	5	2.1	2.8	4.9	1	2	2.5
Benton		26	6	5	3.7	4	8	2.6	6.4	14.6	20.9	4	4	4.1
Black Hawk		156	63	19.5	208.7	15.0	28.9	155.3	436.7	443.6	875.1	39.7	21.0	311.6
Boone		30	10	8	5.2	6	1.0	3.4	10.6	8.9	19.7	7	6	5.3
Bremer		28	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Buchanan		17	5	3	2.4	3	5	1.7	6.1	22.4	28.4	4	2	4.1
Buena Vista		31	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Butler	E6	18		0.1	0.5	0.1	0.1	0.3	1.4	1.5	2.9	0.1	0.1	0.3
Calhoun		19	3	2	1.6	2	4	1.1	2.7	7.5	10.0	1	1	8
Carroll	E3	26	6	3	2.2	2	5	1.3	5.1	7.2	12.2	1.4	5	2.8
Cass		16	7	3	1.8	2	4	1.0	5.8	7.1	12.9	5	2	4.3
Cedar	E1	23	2	2	1.8	2	4	1.3	5.1	8.0	13.0	2	2	4.0
Cerro Gordo		61	30	3.6	34.9	2.8	5.5	25.6	72.8	267.1	337.8	4.3	3.4	51.8
Cherokee		19	6	(D)	(D)	(E)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Chickasaw		19	8	8	6.3	6	1.3	4.0	19.8	61.9	81.3	(D)	3	4.7
Clarke	E1	7	3	2	1.2	2	3	8	2.2	1.7	3.9	1	2	1.8
Clay		35	10	9	7.1	8	1.4	4.9	18.7	119.3	135.9	4	(D)	(D)
Clayton	E1	31	5	4	2.2	3	7	1.7	4.4	11.6	15.8	3	6	6.3
Clinton		60	28	6.6	63.5	5.1	10.6	45.6	171.5	210.1	381.3	34.3	6.1	106.9
Crawford		19	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dallas		27	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0	11.1
Davis	E1	6	3	1	6	1	2	5	9	8	1.7	(Z)	1	[illegible]
Decatur		6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Delaware		21	8	5	3.6	4	9	2.5	7.6	25.4	32.8	2.0	3	2.4
Des Moines		68	34	9.2	78.0	6.8	12.5	51.6	186.3	154.3	339.3	11.8	11.1	189.1
Dickinson		18	5	1.0	6.1	8	1.7	3.7	16.4	9.9	25.7	1.9	8	[illegible]
Dubuque		111	43	15.0	166.1	11.2	22.1	118.6	348.8	531.3	865.3	10.8	12.3	201.5
Emmet		18	7	1.4	11.6	1.1	2.3	8.9	26.3	116.2	141.1	1.1	(D)	(D)
Fayette		37	11	8	6.7	6	1.3	4.8	16.4	29.7	46.1	7	9	10.3
Floyd		22	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Franklin		15	3	3	2.6	2	5	2.0	6.3	6.3	12.7	2	3	4.7
Fremont	E2	8	4	2	2.0	2	4	1.3	5.7	3.9	8.3	7.6	(D)	(D)
Greene		17	8	8	6.5	6	1.0	3.4	6.2	6.9	12.8	6	5	1.8
Grundy		26	8	7	4.6	5	1.1	3.0	10.6	12.4	22.7	4	3	4.6
Guthrie	E5	9		(Z)	2	(Z)	1	2	5	2	7	1	(Z)	[illegible]
Hamilton	E1	18	15	1.7	12.3	1.3	2.6	8.9	26.2	61.2	87.6	2.5	1.1	11.6
Hancock		13	3	2	1.8	2	4	1.3	2.9	5.8	8.4	7	2	2.2
Hardin		35	11	9	6.3	7	1.3	4.5	12.6	94.5	107.0	6	8	13.7
Harrison	E3	10	1	1	6	1	1	4	1.4	2.0	3.6	1	1	1.0
Henry		17	6	7	4.2	5	1.2	3.3	13.7	12.2	25.9	4	5	6.1
Howard		16	2	2	1.5	2	3	1.1	4.8	20.7	25.5	4	2	2.9
Humboldt		21	7	3	2.7	3	5	1.7	5.6	7.8	13.4	6	4	3.8
Ida		11	3	2	1.7	2	4	1.2	4.7	6.4	10.9	3	2	1.9
Iowa		29	7	2.0	16.6	1.5	2.9	9.7	29.8	50.5	77.7	1.6	(D)	(D)
Jackson	E1	27	6	7	4.7	6	1.1	3.8	10.0	19.8	29.4	2	9	7.5
Jasper		33	14	4.8	46.5	3.2	6.1	29.0	161.6	92.9	255.4	4.9	4.6	101.1
Jefferson		17	10	1.3	9.5	1.0	1.8	6.3	18.7	20.6	38.9	5	1.8	19.8
Johnson		51	16	2.1	18.6	1.6	3.3	12.2	140.3	82.1	222.6	5.7	2.2	102.5
Jones	E2	37	10	7	4.9	5	1.0	3.1	8.8	14.2	22.7	1.0	5	4.8
Keokuk		6	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1	1.6
Kossuth		19	7	7	4.3	5	1.1	3.1	13.3	14.7	28.3	8	5	3.8
Lee		64	25	6.2	53.3	4.6	9.3	36.2	132.0	168.1	298.5	10.0	6.6	99.0
Linn		192	70	22.2	224.0	14.2	29.0	129.0	471.4	742.7	1,202.8	22.5	28.3	421.8
Louisa		18	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lucas		12	2	3	2.3	3	5	1.8	4.6	2.7	7.1	1	4	2.3
Lyon	E1	13	1	1	9	1	3	7	2.4	1.1	3.5	1	1	1.5
Madison		6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(Z)	3
Mahaska		30	11	1.4	9.1	1.0	2.0	5.8	22.9	30.6	53.3	1.8	1.1	11.6
Marion		25	7	1.8	14.5	1.6	3.1	11.2	24.7	27.3	51.2	2.5	1.4	15.4
Marshall		55	25	5.8	61.7	3.6	6.8	33.8	118.4	107.8	224.3	2.4	6.1	85.7
Mills		7	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mitchell	E1	12	1	1	6	1	1	3	1.0	1.0	2.0	(Z)	1	[illegible]
Monona	E4	7	—	(Z)	3	(Z)	1	2	6	8	1.4	1	(Z)	4
Monroe		13	4	4	2.4	3	7	1.7	4.5	4.4	9.1	1.0	2	1.2
Montgomery		12	4	8	[illegible]	6	1.2	4.0	22.4	8.5	30.9	7	(D)	(D)
Muscatine		72	35	5.7	52.4	3.9	7.8	29.4	224.0	176.5	395.8	11.1	4.4	84.4
O'Brien		18	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Osceola		10	6	4	2.3	3	6	1.7	4.7	23.0	27.6	3.8	(D)	(D)

See footnotes at end of table

Iowa industrial information (continued)

Standard metropolitan statistical area, county, and city		1972											1967	
		Establishments		All employees		Production workers			Value added by manufacture	Cost of materials	Value of shipments	Capital expenditures, new	All employees	Value added by manufacture
		Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(1,000)	(million dollars)
COUNTIES—CONTINUED														
Page		25	8	8	5.5	5	1.0	3.2	14.8	16.1	30.6	6	5	6.0
Palo Alto	E5	13	4	2	1.1	1	2	7	2.0	3.1	5.2	1	1	1.2
Plymouth	E2	19	7	6	5.2	3	7	2.4	9.6	68.2	77.7	6	6	5.5
Pocahontas		18	3	4	3.4	3	6	2.5	6.2	4.7	10.8	3	3	3.3
Polk		411	145	26.5	267.9	17.6	33.8	160.5	564.9	827.7	1,375.0	23.7	25.4	391.8
Pottawattamie		72	25	3.3	23.7	2.7	5.4	16.8	75.4	219.9	293.7	4.1	2.0	23.1
Poweshiek		28	11	1.1	8.8	9	1.8	6.0	22.3	19.8	41.5	1.1	4	6.3
Ringgold	E2	6	1	1	2	1	1	2	6	3	8	(Z)	(Z)	2
Sac		15	5	4	2.9	3	6	1.7	5.8	6.2	12.4	2	5	5.9
Scott		160	65	15.2	168.0	11.1	22.6	116.5	307.5	524.5	822.1	21.1	16.3	252.6
Shelby		14	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sioux		49	16	1.4	10.2	1.1	2.3	6.7	25.0	71.0	95.5	1.6	1.1	8.7
Story		48	13	1.6	13.1	1.1	2.0	6.9	39.2	17.3	52.2	4.6	2.1	25.9
Tama		17	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2	4.4
Taylor		6	3	3	1.6	2	5	1.2	3.7	4.6	8.0	3	2	2.9
Union		13	4	6	4.3	4	9	2.8	11.4	7.3	18.6	5	6	7.7
Van Buren		12	4	2	1.2	2	4	1.1	2.4	1.5	3.7	1	(D)	(D)
Wapello		36	17	5.1	56.6	3.8	7.8	40.9	86.4	235.5	330.2	3.7	5.3	80.0
Warren		28	4	4	3.2	4	7	2.2	4.9	7.5	11.8	3	2	2.5
Washington		30	8	9	7.7	7	1.4	4.6	16.8	32.1	47.6	1.1	5	4.4
Wayne	E1	14	5	2	1.5	2	4	9	3.1	3.3	6.2	1	2	1.8
Webster		59	25	3.8	35.3	2.9	5.9	26.3	82.3	227.7	307.8	6.4	4.5	77.4
Winnebago		28	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2	15.8
Winneshiek		18	5	4	2.7	3	5	1.5	7.0	10.6	17.2	3	4	3.5
Woodbury		139	56	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Worth	E1	7	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1	4
Wright		26	8	6	4.7	4	8	2.7	16.4	95.2	111.1	1.1	7	10.7
CITIES WITH 450 OR MORE EMPLOYEES														
Algona		10	4	0.5	3.4	0.4	0.9	2.5	11.4	9.7	21.3	0.8	(NA)	(NA)
Ames		30	10	1.3	9.6	9	1.7	5.8	21.7	13.1	35.3	(D)	1.8	21.5
Ankeny		15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Bettendorf		28	14	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Boone		15	5	5	2.9	4	5	2.0	6.3	4.0	10.4	1	(NA)	(NA)
Burlington		57	32	8.9	75.5	6.6	12.0	49.8	176.4	149.4	325.5	10.7	(D)	(D)
Camanche		5	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Cedar Falls		32	14	1.5	13.1	1.0	1.9	8.3	23.1	16.5	39.0	7	1.5	19.8
Cedar Rapids		156	66	21.9	221.9	14.0	28.6	127.5	467.1	736.5	1,192.4	22.1	28.1	419.1
Centerville	E1	18	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	9	13.6
Charles City		13	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clinton		38	20	4.3	39.6	3.3	6.9	28.5	95.2	154.1	249.5	23.0	4.2	62.4
Council Bluffs		58	22	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.7	19.9
Davenport		117	48	9.9	103.0	7.1	13.9	69.1	209.3	287.3	495.7	11.0	9.8	140.2
Denison		14	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Des Moines		295	100	17.7	170.3	10.9	20.3	89.0	319.7	638.6	948.5	17.8	17.2	245.1
Dubuque		92	37	14.2	161.1	10.6	21.0	115.4	337.9	524.0	846.7	9.8	11.0	187.8
Dyersville		8	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Estherville		12	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fairfield		15	10	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Forest City		12	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Fort Dodge		46	19	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.5	36.4
Fort Madison		24	11	2.8	24.1	2.0	4.2	14.7	80.5	98.3	177.6	5.1	2.8	51.4
Grinnell		17	8	9	7.5	7	1.5	5.1	20.4	16.6	36.4	9	(NA)	(NA)
Grundy Center		11	6	5	3.2	4	8	2.1	7.0	7.2	13.9	2	(NA)	(NA)
Iowa City		36	14	2.0	17.7	1.5	3.1	11.4	136.8	75.3	212.3	5.6	1.8	95.3
Jefferson		11	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Keokuk		32	13	3.3	28.5	2.6	5.1	21.2	50.5	68.6	118.6	4.8	3.4	42.4
Le Mars	E9	11	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5	5.0
Maquoketa		10	1	5	3.3	4	6	2.7	6.8	5.7	12.1	1	(D)	(D)
Marshalltown		47	23	5.7	60.8	3.5	6.6	33.4	116.5	103.0	217.6	2.4	6.0	84.8
Mason City		44	25	3.1	31.5	2.4	4.7	23.2	64.5	215.1	277.7	4.2	2.6	37.6
Monticello		20	7	6	3.8	4	8	2.4	6.7	10.3	16.7	8	(NA)	(NA)
Mount Pleasant		10	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Muscatine		47	25	4.1	39.2	2.6	5.2	20.3	93.3	105.9	196.6	7.4	3.8	53.3
Newton		21	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oelwein		14	6	5	4.8	4	9	3.4	10.6	10.9	21.4	4	5	6.6
Oskaloosa		27	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ottumwa		32	17	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.2	78.4
Pella		17	6	1.8	14.0	1.6	3.0	10.9	23.6	26.2	49.0	2.3	9	11.1
Red Oak		9	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Sioux City		123	52	7.7	64.1	5.7	11.3	42.6	143.1	475.7	618.8	(D)	7.5	92.4
Spencer		24	8	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Spirit Lake		8	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Storm Lake		14	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington		14	6	7	6.1	6	1.3	4.2	15.0	21.9	35.6	9	(NA)	(NA)
Waterloo		101	44	17.7	193.7	13.9	26.6	146.1	408.9	413.1	817.3	38.8	18.9	284.7
Waverly		10	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Webster City	E1	21	9	1.2	9.0	1.0	1.8	6.6	20.0	35.7	55.9	1.5	8	8.9
West Des Moines		32	12	1.1	11.0	8	1.5	6.4	19.9	11.5	30.8	7	1.1	18.0

U.S. industrial statistics, 1978

State	1978								
	All employees		Production workers			Value added by manufacture (mil. dol.)	Cost of materials (mil. dol.)	Value of shipments[2] (mil. dol.)	New capital expenditures (mil. dol.)
	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Hours (mil.)	Wages (mil. dol.)				
United States	20,508.9	299,142.6	14,231.0	27,681.8	176,446.6	657.245.8	877,609.5	1,523,429.9	[illegible]43.9
Alabama	346.7	4,233.8	277.0	541.4	3,018.0	9,745.9	13,768.1	23,351.3	[illegible]10.9
Alaska	10.7	170.8	8.9	16.2	127.7	546.8	908.8	1,464.6	65.0
Arizona	123.2	1,739.4	79.6	155.6	923.8	3,959.6	4,249.1	8,051.9	318.2
Arkansas	205.5	2,186.2	166.1	322.0	1,580.2	5,502.0	8,565.0	13,963.1	606.1
California	1,903.1	28,486.4	1,240.0	2,376.8	15,112.2	62,510.4	74,835.4	135,765.2	4,493.1
Colorado	163.0	2,442.6	102.3	197.4	1,287.4	5,237.7	6,756.1	11,765.5	550.7
Connecticut	432.2	6,581.5	264.0	528.2	3,218.4	12,290.7	10,097.5	21,957.9	679.0
Delaware	66.8	1,308.7	33.3	67.2	466.8	2,011.6	4,441.0	6,427.3	186.1
District of Columbia	17.7	201.3	7.8	14.2	109.8	668.2	385.7	1,047.3	17.5
Florida	396.5	4,877.6	276.8	533.5	2,755.8	11,266.2	13,887.0	24,991.4	1,081.1
Georgia	511.6	5,819.3	392.9	770.4	3,830.8	13,944.6	22,121.7	35,812.2	1,459.7
Hawaii	23.7	285.2	17.4	30.9	173.0	782.9	1,284.8	2,063.1	46.0
Idaho	56.9	729.4	43.4	82.7	499.4	1,843.5	2,671.9	4,485.6	194.7
Illinois	1,310.7	20,613.4	870.0	1,705.1	11,899.8	44,854.4	59,757.0	103,858.1	2,975.8
Indiana	735.2	11,754.9	541.7	1,058.6	7,922.9	25,699.9	33,854.6	58,934.7	2,166.8
Iowa	246.6	3,725.4	175.6	338.5	2,430.5	9,846.1	16,840.0	26,547.5	840.3
Kansas	185.6	2,528.1	132.3	267.4	1,635.2	6,153.9	12,725.4	18,671.5	413.7
Kentucky	288.9	3,890.0	215.6	409.6	2,590.1	10,845.1	14,987.5	25,716.5	799.8
Louisiana	200.7	3,008.8	149.0	299.1	1,997.7	10,056.5	21,816.4	31,852.7	2,103.8
Maine	107.2	1,226.8	88.3	170.5	876.8	2,691.1	3,227.6	5,866.7	424.3
Maryland	252.6	3,786.5	169.7	327.0	2,218.8	7,739.2	10,187.2	17,780.3	508.6
Massachusetts	640.4	8,797.6	426.1	325.0	4,734.2	18,632.0	16,079.2	34,450.4	1,170.3
Michigan	1,180.7	22,892.8	822.7	1,671.5	14,240.9	41,804.6	63,539.6	104,920.7	4,742.7
Minnesota	365.5	5,385.2	228.2	438.2	2,785.0	10,908.1	15,230.7	25,838.6	788.2
Mississippi	221.7	2,276.8	178.7	344.2	1,628.6	5,986.6	7,910.8	13,863.9	512.6

U.S. industrial statistics, 1978 (continued)

State	1978								
	All employees		Production workers			Value added by manufacture (mil. dol.)	Cost of materials (mil. dol.)	Value of shipments[2] (mil. dol.)	New capital expenditures (mil. dol.)
	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Hours (mil.)	Wages (mil. dol.)				
Missouri	453.4	6,549.1	308.2	590.4	3,787.0	15,031.3	22,648.5	37,489.7	965.5
Montana	25.3	361.0	19.4	37.4	266.3	850.6	2,169.9	3,070.5	130.6
Nebraska	92.5	1,231.6	66.9	132.9	786.5	3,249.7	7,390.6	10,572.1	219.5
Nevada	17.6	233.1	12.5	23.7	141.1	660.1	548.8	1,216.2	68.2
New Hampshire	103.9	1,220.2	78.4	149.5	773.3	2,764.2	2,376.2	5,055.4	196.2
New Jersey	798.1	12,025.2	493.4	956.0	5,922.5	24,725.4	30,341.1	54,748.0	1,639.7
New Mexico	28.1	326.8	20.1	37.1	197.7	794.9	1,364.6	2,126.0	56.6
New York	1,537.5	22,886.1	964.8	1,845.3	11,261.3	48,309.8	46,578.6	94,296.5	2,917.9
North Carolina	789.1	8,430.4	626.1	1,213.8	5,655.1	20,616.6	25,010.3	45,259.2	1,513.2
North Dakota	14.1	181.3	9.7	19.6	110.7	485.1	900.5	1,376.0	58.6
Ohio	1,362.4	22,703.2	937.9	1,868.3	14,252.6	47,641.4	59,656.5	106,487.8	3,292.6
Oklahoma	172.5	2,381.1	115.9	224.6	1,353.1	5,237.3	8,894.7	14,011.8	445.0
Oregon	222.4	3,323.6	165.6	311.3	2,221.6	7,166.6	9,722.6	16,753.0	659.1
Pennsylvania	1,350.8	20,017.8	944.1	1,801.4	12,070.2	40,550.5	49,196.8	88,924.8	2,557.2
Rhode Island	129.5	1,479.2	98.4	184.7	904.2	2,998.0	3,038.4	5,987.9	217.3
South Carolina	387.1	4,251.6	308.1	607.0	2,942.9	9,476.8	11,791.9	21,124.6	978.7
South Dakota	23.9	301.3	17.7	35.1	203.5	726.1	1,465.2	2,154.2	40.1
Tennessee	509.9	5,863.3	389.0	743.2	3,884.8	14,045.8	17,981.1	31,750.2	1,156.2
Texas	960.4	13,719.4	647.2	1,287.1	7,736.2	36,496.4	68,385.1	104,646.8	4,601.7
Utah	79.8	1,037.5	56.2	105.8	633.8	2,380.2	3,572.0	5,935.9	248.2
Vermont	45.0	615.8	31.5	63.1	354.2	1,382.7	1,252.8	2,562.5	133.4
Virginia	406.2	4,929.0	309.2	597.9	3,231.8	11,961.1	15,310.6	27,069.5	1,040.1
Washington	286.0	4,873.2	195.8	365.9	2,847.2	10,424.6	15,924.8	25,604.1	943.3
West Virginia	123.9	1,910.0	91.9	176.4	1,275.4	4,426.8	5,449.2	9,743.7	512.0
Wisconsin	561.8	8,457.9	399.2	780.0	5,392.4	18,813.9	25,252.3	43,712.1	1,408.1
Wyoming	8.6	123.8	6.1	11.7	80.8	425.6	984.1	1,402.6	53.5

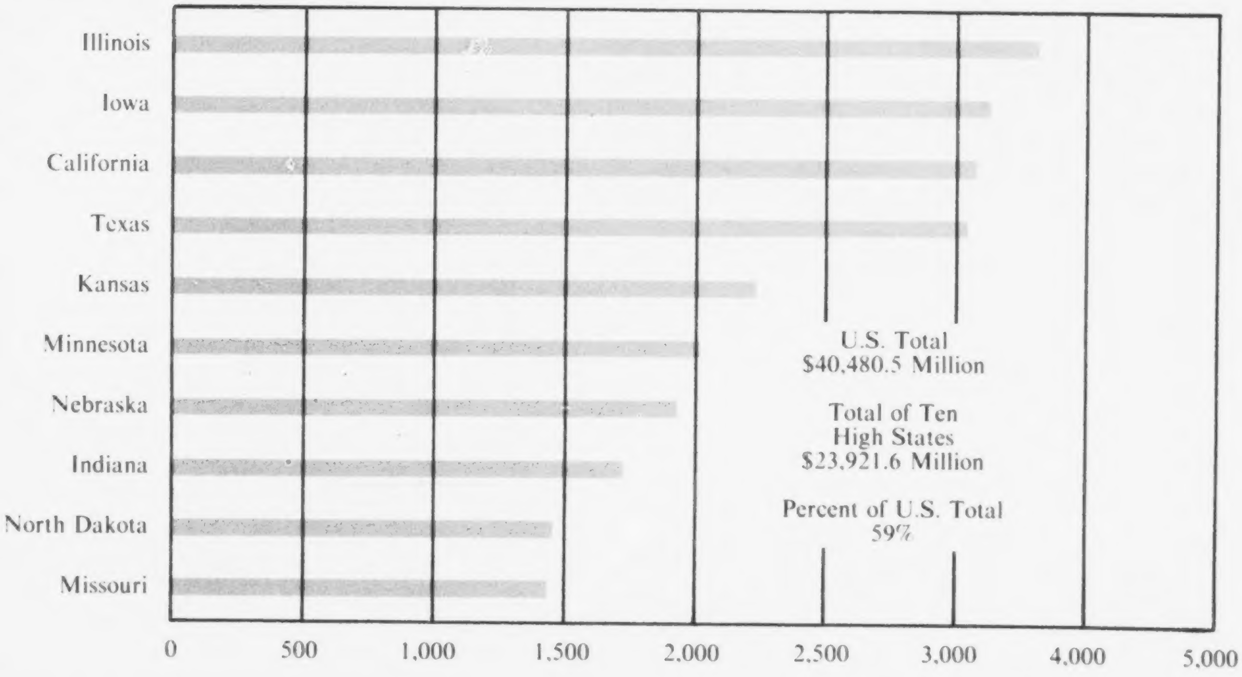
Source: 1978 Census of Manufacturers, U.S. Department of Commerce, Bureau of the Census.

Iowa exported an estimated $6.34 billion in products last year

It's no surprise that Iowa ranks second in exporting of agricultural goods, amounting to $3.27 billion in 1980. In addition, approximately 800 Iowa manufacturers also export, contributing to an approximate value of exports at $21.86 per capita.

Leading export items include feed grains, soybeans, machinery, chemicals and electrical equipment. Iowa makes a concentrated effort to encourage exports through Iowa Development Commission sponsored foreign trade missions, conferences and workshops. The IDC also provides information and aid to help new exporters deal with trade regulations, shipping problems and working arrangements with overseas firms.

Iowa high among top ten in farm exports, 1980* (millions)



*Year ending September 30. Source: FATUS, January/February, 1981, Table 17.

value of agricultural exports, Iowa (millions)

(Fiscal Year October-September)

	1970	1975	1978	1979r	1980
All Commodities	$515.1	$1,723.5	$2,060.4	$2,789.9	$3,270.3
Wheat and Flour	.8	5.4	8.7	4.0	8.0
Feed Grains[1]	145.5	787.1	764.6	1,156.3	1,627.3
Soybeans	170.7	489.8	914.6	1,173.9	1,180.2
Soybean Oil	22.1	64.0	*	*	*
Protein Meal	50.6	110.3	*	*	*
Fruits and Preparations	—	.1	.1	.1	.3
Vegetables and Preparations	.1	.5	1.1	1.0	1.0
Dairy Products	8.7	12.0	14.4	8.0	11.9
Meats and Products[2]	24.5	60.3	108.3	110.7	95.3
Hides and Skins	12.6	24.4	53.6	83.6	62.3
Poultry Products	2.1	2.4	5.4	5.4	6.2
Lard and Tallow	24.8	38.4	49.7	57.5	54.2
Other	52.6	128.8	139.9	189.4	223.6

r Revised.

*Now tabulated as part of soybeans and products.

[1] Includes barley, corn, oats and sorghum grain.

[2] Does not include poultry.

Source: FATUS, January/February, 1981, USDA.

value of agricultural exports, U.S. (millions)

(Fiscal Year October-September)

	1970	1975	1977	1978	1979r	1980
All Commodities	$6,721.4	$21,854.3	$24,013.4	$27,306.2	$31,975.4	$40,480.5
Wheat and Flour	941.6	5,236.8	3,003.1	4,138.7	4,862.0	6,632.7
Feed Grains[1]	987.3	4,858.3	5,345.3	5,983.1	7,026.1	9,628.1
Soybeans	1,069.0	2,988.7	4,306.6	6,410.9	7,515.0	8,587.8
Soybean Oil	138.7	387.3	413.1	*	*	*
Protein Meal	322.6	685.5	955.3	*	*	*
Fruits and Preparations	343.2	674.6	803.9	976.5	1,042.4	1,299.7
Vegetables and Preparations	196.8	533.9	697.2	648.9	756.2	954.2
Dairy Products	109.1	143.0	171.3	155.8	116.1	156.3
Meats and Products[2]	152.8	381.9	608.5	687.6	844.1	870.7
Hides and Skins	158.4	393.3	779.5	823.6	1,302.7	1,115.3
Poultry Products	76.0	112.0	271.4	331.7	368.1	546.5
Lard and Tallow	208.1	400.6	578.2	573.8	704.8	784.4
Other	650.2	1,632.9	2,185.7	1,854.5	2,170.0	2,767.5

r Revised.

*Now tabulated as part of soybeans and products.

[1] Includes barley, corn, oats and sorghum grain.

[2] Does not include poultry.

Source: FATUS, January/February, 1981, USDA.

12 mid-American states account for 52% of total U.S. agricultural exports . . . 1979-80

U.S. $40,480.5
(figures in millions)

	1979-80
North Dakota	1,457.4
South Dakota	687.0
Nebraska	1,931.7
Kansas	2,214.9
Minnesota	2,003.6
Iowa	3,270.3
Missouri	1,440.2
Wisconsin	546.7
Illinois	3,643.7
Michigan	742.5
Indiana	1,705.4
Ohio	1,380.0

leading states for agricultural export shares, 1980[1] (millions)

Selected Commodities	United States	5 Leading States				
		1	2	3	4	5
All Commodities	$40,480.5	Ill. 3,643.7	IOWA 3,270.3	Calif. 3,168.2	Texas 3,086.2	Kansas 2,214.9
Soybeans and Products[2]	8,587.8	Ill. 1,422.6	IOWA 1,180.2	Mo. 707.2	Minn. 631.0	Ind. 603.7
Feed Grains and Products	9,628.1	Ill. 1,689.7	IOWA 1,627.3	Neb. 1,120.5	Ind. 779.2	Minn. 603.8
Wheat and Products	6,632.7	Kans. 1,230.0	N.Dak. 873.2	Okla. 649.2	Texas 413.6	Mont. 370.3
Hides and Skins	1,115.3	Wis. 127.8	Texas 99.9	Minn. 74.4	IOWA 62.3	Neb. 52.7
Meats and Products[3]	870.7	IOWA 95.3	Texas 88.1	Neb. 61.0	Kansas 50.7	Mo. 47.8
Lard and Tallow	784.4	Texas 100.6	Neb. 55.7	IOWA 54.2	Kansas 51.7	Okla. 41.7
Dairy Products	156.3	Wis. 40.5	Minn. 28.3	Calif. 22.2	N.Y. 14.1	IOWA 11.9

[1] Fiscal year ending September 30.
[2] Includes soybeans, soybean oil, and protein meal.
[3] Excludes poultry.
Source: FATUS, January/February, 1981, Table 18.

Iowa's top 15 export customers, 1980

	Soybeans & Products	Feed Grains & Products*	Hides & Skins	Meat Products	Lard & Tallow	Poultry Products	Dairy Products	Totals
1. Japan	$160,818,800	$361,705,200	$14,999,300	$36,120,900	$3,925,100	$607,700	$ 755,400	$578,932,400
2. Netherlands	256,319,700	45,220,500	215,300	4,946,700	3,134,300	36,700	17,000	309,890,200
3. Mexico	45,305,100	174,994,400	3,917,900	4,252,200	4,508,800	150,200	5,399,200	238,527,800
4. Spain	62,750,100	70,507,400	713,800	58,900	1,453,800	11,900	30,200	135,526,100
5. West Germany	86,237,500	33,729,300	5,824,600	1,371,000	1,977,100	210,400	84,600	129,434,500
6. U.S.S.R.	6,227,200	101,764,300	9,500	—	1,942,200	—	—	109,943,200
7. Italy	56,760,600	47,007,000	2,789,200	340,000	261,700	5,500	11,900	107,175,900
8. Taiwan	36,344,400	53,285,700	2,379,400	506,800	1,360,800	2,800	330,100	94,210,000
9. Korea	21,363,200	53,430,700	5,253,100	337,600	3,719,400	800	81,500	84,186,300
10. Poland	19,481,500	49,551,900	1,435,600	8,800	347,300	—	50,400	70,875,500
11. Belgium	21,870,700	41,867,500	206,900	6,031,900	495,900	2,900	9,900	70,485,700
12. Portugal	7,051,600	58,650,900	168,100	2,600	238,900	800	1,900	66,114,800
13. United Kingdom	19,484,400	34,329,900	3,753,800	3,611,400	2,531,600	162,900	172,000	64,046,000
14. P.R.C.	21,323,200	37,947,200	745,100	200	1,072,100	100	24,800	61,112,700
15. Canada	25,744,300	12,697,400	5,821,600	6,250,200	755,600	227,500	783,500	52,280,100

*Includes barley, corn, oats, and sorghum grain.
Figures were derived from the contribution of state/region to national output and/or sales. Do not show actual exports, but instead reflect the common stake of state/region in the national export total.
Source: FATUS, May/June, 1981.

estimated exports of manufactured shipments, Iowa (millions)

SIC Code	Product Category	1960	1966	1969	1971	1972	1976
	Total Exports	$211.4	$336.9	$412.0	$476.0	$589.6	$1,499.8
20	Food & Kindred Products	51.4	59.6	95.4	109.1	130.5	262.1
21	Tobacco Manufactures	—	—	—	—	—	—
22	Textile Mill Products	—	—	—	—	—	—
23	Apparel & Other Textile Mill Products	0.7	T	S	—	—	—
24	Lumber & Wood Products	1.0	T	T	—	—	12.1
25	Furniture & Fixtures	0.2	S	S	—	—	0.9
26	Paper & Allied Products	—	S	T	T	—	7.2
27	Printing & Publishing	1.3	T	T	T	—	6.8
28	Chemicals & Allied Products	3.8	9.3	7.7	27.0	39.4	83.9
29	Petroleum & Coal Products	—	0.9	2.0	—	—	—
30	Rubber & Plastics	3.8	6.3	12.7	13.3	14.4	51.9
31	Leather & Leather Products	S	—	—	—	—	—
32	Stone, Clay & Glass	—	0.1	S	T	—	3.1
33	Primary Metal Industries	2.3	U	V	U	—	24.2
34	Fabricated Metal Products	5.7	9.9	10.9	13.4	14.7	46.2
35	Machinery, except electrical	92.3	165.6	173.5	198.9	269.6	745.5
36	Electrical Equipment & Supplies	30.3	51.6	68.1	62.4	87.9	194.1
37	Transportation Equipment	S	3.2	6.7	14.4	15.9	20.3
38	Instruments & Related Products	—	T	T	U	—	7.6
39	Misc. Mfg.	12.2	14.7	14.5	—	—	28.6

(S) Less than $1.0 million
(T) $1.0 but less than $5.0 million
(U) $5.0 but less than $10.0 million
(V) $10.0 but less than $25.0 million

Source: "Survey of the origin of Exports of Manufacturing," 1976 Census of Manufactures, U.S. Department of Commerce, Bureau of the Census; and Iowa, U.S. Dept. of Commerce.

comparative value of estimated manufactured exports, midwest states

Selected Midwest States	1972						1976					
			Percent of U.S. totals		Rank based on—				Percent of U.S. totals		Rank based on—	
	Estimated value of exports (millions)	Estimated export employment (thousands)	Value of exports	Export employment	Value of exports	Export employment	Estimated value of exports (millions)	Estimated export employment (thousands)	Value of exports	Export employment	Value of exports	Export employment
United States	$36,608.0	770.4	100.0	100.0	N/A	N/A	$83,098.0	1,173.2	100.0	100.0	N/A	N/A
IOWA	589.6	12.4	4.7	5.8	18	21	1,499.8	19.8	7.2	8.6	18	20
Illinois	2,901.9	63.3	5.4	4.8	3	4	6,659.6	86.9	8.1	6.9	3	2
Indiana	1,403.7	30.3	4.8	4.3	9	9	2,827.6	40.0	6.3	5.9	9	9
Kansas	282.7	6.9	3.5	5.0	29	28	635.2	10.2	4.3	6.1	31	28
Michigan	3,522.2	58.5	6.5	5.4	1	5	6,888.1	73.9	8.6	7.0	2	6
Minnesota	654.0	14.1	5.1	4.7	17	15	1,566.7	23.2	7.7	7.2	16	15
Missouri	577.3	12.9	3.1	3.0	20	17	1,622.1	22.6	5.9	5.3	15	16
Nebraska	134.4	2.1	2.3	2.5	35	37	309.2	3.7	3.5	4.2	35	38
Ohio	3,053.9	70.2	5.5	5.2	2	1	5,793.6	86.8	6.9	6.8	4	3
South Dakota	(s)	(s)	(s)	(s)	50	45	68.3	1.0	4.2	4.8	47	46
Wisconsin	916.1	21.2	4.3	4.2	12	13	2,209.2	32.1	6.2	6.2	12	13

(s) withheld estimate

Source: "Origin of Exports of Manufacturing," 1976 Census of Manufactures, U.S. Dept. of Commerce, Bureau of the Census.

estimated value of manufactured exports, Iowa smsa's (millions)

Code	State by major industry group	value of manufacturers' shipments: Total[1] (million dollars)	Direct exports[2] (million dollars)	Supporting exports[3] (million dollars)	Total export related[4] (million dollars)	Total export related as percent of total shipments	manufacturing employment: Total[5] (1,000)	Direct export related[6] (1,000)	Supporting exports[7]	Total export related[8] (1,000)	Total export related as percent of total employment
		A	B	C	D	E	F	G	H	I	J
	Iowa	20,772.3	1,499.8	624.4	2,124.2	10.2	231.1	19.8	8.4	28.2	12.2
20	Food and kindred products	9,020.0	262.1	119.2	381.3	4.2	43.5	1.1	0.6	1.7	3.9
24	Lumber and wood products	230.1	12.1	13.8	25.9	11.3	4.9	0.3	0.3	0.6	12.2
25	Furniture and fixtures	158.1	0.9	1.4	2.3	1.5	2.8	(Z)	0.1	0.1	3.6
26	Paper and allied products	354.0	7.2	22.8	30.0	8.5	4.5	0.1	0.3	0.4	8.9
27	Printing and publishing	582.7	6.8	6.7	13.5	2.3	14.1	0.1	0.2	0.3	2.1
28	Chemicals and allied products	1,564.5	83.9	87.6	171.5	11.0	6.0	0.4	0.3	0.7	11.7
30	Rubber, miscellaneous plastic products	716.4	51.9	46.2	98.1	13.7	11.5	0.8	0.7	1.5	13.0
32	Stone, clay, glass products	512.1	3.1	16.7	19.8	3.9	8.0	(Z)	0.3	0.3	3.8
33	Primary metal industries	666.1	24.2	96.8	121.0	18.2	7.7	0.2	1.1	1.3	16.9
34	Fabricated metal products	822.6	46.2	44.7	90.9	11.1	18.6	0.9	1.0	1.9	10.2
35	Machinery, except electrical	3,826.4	745.5	101.7	847.2	22.1	57.1	10.2	1.7	11.9	20.8
36	Electric, electronic equipment	1,284.7	194.1	43.8	237.9	18.5	24.4	4.3	1.1	5.4	22.1
37	Transportation equipment	597.7	20.3	15.9	36.2	6.1	9.1	0.3	0.3	0.6	6.6
38	Instruments, related products	64.3	7.6	1.9	9.5	14.8	2.2	0.3	0.1	0.4	18.2
39	Miscellaneous manufacturing industries	247.0	28.6	3.3	31.9	12.9	6.4	0.9	0.1	1.0	15.6
—	Central admin. offices, auxiliary	(X)	(X)	(X)	(X)	(X)	4.7	(X)	0.4	0.4	(X)

(X) Not applicable.
(Z) Less than one-half of the unit of measurement shown.
[1] Includes total domestic and export shipments for all manufacturing establishments.
[2] Includes only the value of manufactured products exported by the producing plants.
[3] Includes shipments of components, parts, supplies, etc., used by plants producing the export product.
[4] Total export related shipments are the sum of columns B and C.
[5] Includes employees of central administrative offices and auxiliaries (warehouses, garages, repair shops, etc.) serving operating manufacturing establishments.
[6] Employment is limited to paid employees in manufacturing plants producing the export product.
[7] Manufacturing employment at establishments producing components, parts, supplies, etc. for use by plants producing for export.
[8] The employment totals shown are the sum of columns G and H.
Source: Origin of Exports by Manufacturing Establishments; supplement 3 August 1979.

	1971	1972	1976 Estimated Value of Exports (millions)	1976 Estimated Export Employment (thousands)
Cedar Rapids	108.1	111.7	254.0	5.0
Davenport-Rock Island-Moline	94.6	120.9	421.3	4.7
Food & Kindred Products	(T)	(T)	20.7	0.2
Primary Metal Industries	(W)	(U)	23.9	0.2
Fabricated Metal Products	(T)	(T)	3.2	0.1
Machinery Except Electrical	75.3	102.1	360.1	3.8
Des Moines	39.5	46.5	54.6	0.6
Dubuque	42.7	(X)	137.0	1.7
Omaha-Council Bluffs	45.5	51.8	56.1	0.5
Sioux City	31.8	35.3	80.6	0.5
Waterloo-Cedar Falls	51.8	66.1	217.9	2.6

(T) 1 but less than 5 million, (U) 5 but less than 10 million, (W) 25 but less than 50 million, (X)50 but less than 100 million.
Source: Survey of The Origin of Exports by Manufacturing Establishments, U.S. Department of Commerce, Bureau of The Census.

Iowa exports contribute to U.S. balance of payments (millions of dollars)

Agricultural Exports

	1980 Iowa	1980 U.S.	% of U.S. Share
Wheat and Products	8.0	6,632.7	.10
Feed Grains[1]	1,627.3	9,628.1	16.90
Soybeans and Products[2]	1,180.2	8,587.8	13.70
Fruits and Preparations	.3	1,299.7	.02
Vegetables and Preparations	1.0	954.2	.10
Dairy Products	11.9	156.3	7.60
Meats and Products	95.3	870.7	10.90
Hides and Skins	62.3	1,115.3	5.60
Poultry Products	6.2	546.5	1.13
Lard and Tallow	54.2	784.4	6.90
Other	223.6	2,767.5	8.08
Total	3,270.3	40,480.5	8.08%

[1] Includes barley, corn, oats and sorghum grain.
[2] Includes soybean oil and protein meal.
Source: FATUS, January/February, 1981, Table 18.

Manufactured Exports

Sic Code	Product Category	1976 Iowa	1976 U.S.	% of U.S. Share
20	Food and Kindred Products	262.1	3,046.2	8.6%
21	Tobacco Manufacturers	—	608.4	—
22	Textile Mill Products	—	654.9	—
23	Apparel and Other Textile Mill Products	—	291.7	—
24	Lumber and Wood Products	12.1	766.1	1.6
25	Furniture and Fixtures	.9	51.7	1.7
26	Paper and Allied Products	7.2	988.4	.7
27	Printing and Publishing	6.8	347.7	2.0
28	Chemicals and Allied Products	83.9	3,756.8	2.2
29	Petroleum and Coal Products	—	401.0	—
30	Rubber and Plastics	51.9	519.3	10.0
31	Leather and Leather Products	—	103.9	—
32	Stone, Clay and Glass	3.1	408.7	.8
33	Primary Metal Industries	24.2	1,490.2	1.6
34	Fabricated Metal Products	46.2	1,429.3	3.2
35	Machinery, except Electrical	745.5	7,823.6	9.5
36	Electrical Equipment and Supplies	194.1	3,295.8	5.9
37	Transportation Equipment	20.3	7,841.7	.3
38	Instruments and Related Products	7.6	1,530.9	.5
39	Misc. Mfg.	28.6	1,251.7	2.3
	Total Exports	1,499.8	36,608.0	4.0%

Source: "Survey of the Origin of Exports of Manufacturing," 1976 Census of Manufactures, U.S. Dept. of Commerce, Bureau of the Census.

Iowa travel is a billion dollar industry

Travel, vacations, conventions and outdoor life add up to an annual billion dollar industry in Iowa's quickly growing tourism and travel industry. A 1981 study completed at travel information centers showed that the average travel party of three spent $71.50 each day they were in the state.

Iowa, which was named "The Beautiful Land" by Native Americans, has something for everyone. The state is dotted with historical sites, cultural facilities and terrain that can accommodate everything from downhill skiing to bicycling. The state's numerous hotels range from quaint to luxurious. There are an abundance of game and campgrounds, along with some of the finest golf courses in America.

Iowa has 19,000 miles of interior fishing streams, two major natural "great lake" areas and four of the nation's largest man-made lakes. The bordering Mississippi and Missouri Rivers offer water sports, scenery and the excitement of passenger or commercial water travel.

facts show something for everyone in Iowa, 1980

308,041	Resident Fishing Licenses
161,236	Resident Hunting Licenses
104,970	Resident Combination Licenses
30,705	Non-Resident Hunting Licenses
11,009	Non-Resident Fishing Licenses
64,462	Gun Deer Licenses
14,306	Bow & Arrow Deer Licenses
11,334	Landowner-Tenant Deer Licenses
49,913	Iowa Duck Stamps
26,590	Trout Stamps
24,787	Resident Trapping
4,110	Turkey Licenses
143	Non-Resident Raccoon Stamp

300,000	Acres of Public Hunting Areas
42,000	Acres of Public Waterfowl Refuges
1,000,000	Visitors to Public Hunting Areas
59%	of Visitors to Public Hunting Areas Were Not Hunters
203,500	Surface Acres of River Boundary Waters
80,000	Farm Ponds in Southern Iowa
33,000	Acres of Natural Lakes
23,000	Acres of Man-Made Lakes
2,000	Acres of Oxbow Lakes
30,200	Acres of Federal Reservoirs
19,000	Miles of Interior Fishing Streams
66	State Parks and Recreation Areas
42	State Parks with Lakes
50	State Parks with Camping
50,437	Acres of State Owned Land and Water
25,000	Acres of State Forests
5,000	Acres of State Preserves Areas
1,003	County Conservation Board Areas
26	State Wildlife Stations

Iowa, number 1 pheasant state

Species	No. Hunters	Game Harvested	Species	No. Hunters	Game Harvested
Pheasant	242,000	1,429,600	Wild Turkey	3,200	988
Rabbits	115,000	588,400	Deer Bow	13,400	3,800
Squirrel	111,000	845,000	Deer Gun	66,700	18,857
Quail	73,000	524,500	Total Deer	80,100	22,657

Source: Iowa Conservation Commission's "Quickie Facts and Figures."

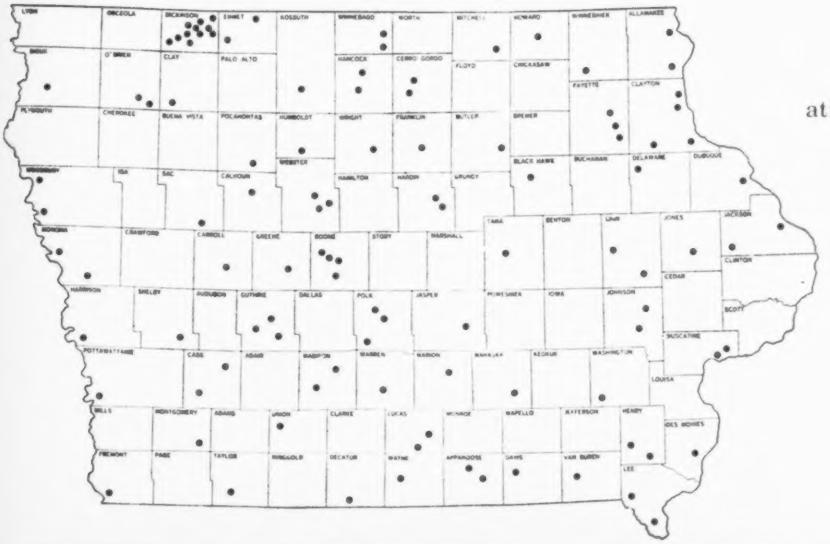
state park attendance, 1980

Park	Attendance
A. A. Call	203,395
Backbone	812,782
Beeds Lake	223,667
Bellevue	295,940
Big Creek	244,993
Black Hawk	790,591
Bob White	53,520
Brushy Creek	268,175
Clear Lake	287,375
Dolliver	212,920
Elk Rock	86,215
Emerson	216,531
Ft. Defiance	90,400
Geode	417,750
George Wyth	55,575
Green Valley	214,669
Gull Point	150,038
Honey Creek	203,800
Isthmus	22,185
Lacey-Keosauqua	257,230
Lake Ahquabi	692,089
Lake Anita	168,490
Lake Darling	386,880
Lake Keomah	221,659
Lake Macbride	529,600
Lake Manawa	1,022,950
Lake of Three Fires	154,243
Lake Wapello	217,961
Ledges	331,620
Lewis and Clark	161,230
Lower Gar	18,235
Maquoketa Caves	117,129
Marble Beach	229,138
Margo Frankel	55,850
McIntosh Woods	207,200
Mini-Wakan	63,579
Nine Eagles	77,169
Okamanpedan	44,790
Palisades-Kepler	235,690
Pammel	80,095
Pikes Peak	226,342
Pikes Point	48,669
Pilot Knob	170,420
Pine Lake	349,575
Pleasant Creek	83,985
Plum Grove	5,162
Prairie Rose	187,810
Preparation Canyon	10,659
Red Haw	331,800
Rock Creek	562,763
Springbrook	450,340
Stone Park	527,555
Trappers Bay	39,355
Twin Lakes	41,400
Union Grove	222,029
Viking Lake	153,110
Volga River	198,550
Walnut Woods	201,180
Wanata	18,180
Wapsipinicon	664,000
Waubonsie	134,425
Wild Cat Den	168,154

TOTAL ATTENDANCE FOR 1980—ALL PARKS 14,918,811

Source: Iowa Conservation Commission.

state-owned recreation areas


LYON
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O'BRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
WOODBURY
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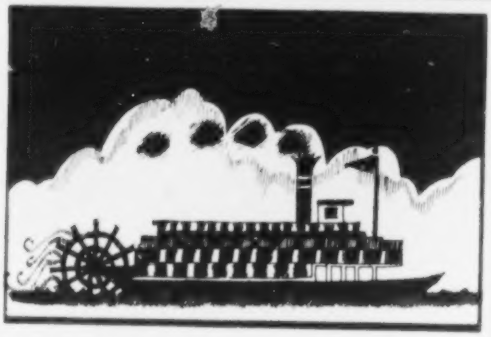
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
JACKSON
CLINTON
CEDAR
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
SCOTT
MUSCATINE
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE

Iowa's state owned parks and recreation areas offer:

Camping
Hunting
Picnicking
Swimming
Boating
Fishing
Nature Trails
Golf
Winter Skiing
Snowmobile Trails
and many, many more



economic impact of travel on Iowa

	1976	1978	1980
Total expenditures	$943,869,000	$1,267,900,000	$1,543,600,000
Jobs directly attributable to traveler spending in Iowa	$ 43,000	$ 49,000	54,000
Average travel expenditures generating one job in the travel industry	$ 21,689	$ 25,800	$ 28,600
Tax revenue directly generated by travelers to the State Treasury	$ 42,200,000	$ 44,640,000	$ 58,100,000

Source: U.S. Travel Data Center County Travel Economic Impact Model (CTEIM).

state park camping attendance, 1980

Area	Individuals	Guest Days
A. A. Call	359	386
Backbone	26,015	34,673
Beeds Lake	12,074	20,373
Bellevue	2,115	3,127
Black Hawk	7,925	14,950
Bob White	2,245	3,701
Brushy Creek	4,365	2,759
Clear Lake	16,917	27,361
Dolliver	3,664	5,659
Elk Rock	527	1,064
Ft. Defiance	605	605
Geode	12,318	21,105
George Wyth	54	56
Green Valley	8,581	15,243
Gull Point	41,927	75,950
Honey Creek	8,537	14,535
Lacey-Keosauqua	7,160	11,488
Lake Ahquabi	15,035	24,708
Lake Anita	10,734	15,363
Lake Darling	9,413	17,834
Lake Keomah	6,128	8,789
Lake Macbride	10,226	9,150
Lake Manawa	5,166	9,358
Lake of Three Fires	6,836	10,867
Lake Wapello	6,545	10,491
Ledges	3,128	3,797
Lewis and Clark	5,717	7,110
Maquoketa Caves	2,127	2,630
McIntosh Woods	3,822	2,715
Nine Eagles	4,791	6,343
Palisades Kepler	5,485	8,854
Pammel	11,032	937
Pikes Peak	9,544	14,618
Pilot Knob	19,892	5,332
Pine Lake	12,467	15,670
Prairie Rose	5,322	8,379
Red Haw	8,293	14,045
Rock Creek	21,212	37,843
Springbrook	16,689	18,446
Stone Park	1,300	1,517
Union Grove	2,385	3,886
Viking Lake	10,521	18,548
Volga River	2,351	2,925
Walnut Woods	1,771	2,229
Wapsipinicon	6,028	8,485
Waubonsie	1,417	1,750
Wild Cat Den	2,037	1,991
TOTALS	382,802	547,654

Source: Iowa Conservation Commission.

impact of travel on Iowa counties, 1978

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
State Total	$1,267,900	$255,500	49,075	$44,641	$4,703
Polk	353,510	78,929	12,764	10,793	1,453
Woodbury	99,042	22,865	3,225	2,635	421
Linn	93,139	20,195	3,417	2,980	372
Scott	91,597	16,353	3,706	3,429	301
Black Hawk	87,474	19,891	2,861	2,421	366
Johnson	51,351	9,578	2,384	2,198	176
Dickinson	49,630	8,884	2,075	1,845	164
Dubuque	32,912	5,977	1,470	1,406	110
Cerro Gordo	30,307	5,508	1,336	1,248	101
Lee	27,541	4,482	730	645	83
Story	26,319	4,959	1,215	1,138	91
Pottawattamie	21,971	3,968	975	956	73
Des Moines	21,271	3,814	940	877	70
Jasper	18,246	3,306	830	783	61
Muscatine	16,883	3,070	749	724	57
Iowa	12,331	2,243	569	525	41
Marshall	11,656	2,162	526	507	40
Wapello	10,736	1,941	478	458	36
Clay	10,473	1,912	470	452	35
Boone	8,151	1,473	365	352	27
Webster	7,490	1,338	313	336	25
Mahaska	5,272	964	231	219	18
Buchanan	5,104	885	201	193	16
Crawford	4,559	828	203	198	15
Bremer	4,547	825	202	197	15
Appanoose	4,502	815	201	193	15
Hardin	4,435	790	191	195	15
Guthrie	4,403	795	199	186	15
Harrison	4,306	744	181	189	14
Carroll	4,180	757	181	186	14
Dallas	4,131	722	174	181	13
Clinton	4,127	681	140	185	13
Fayette	4,086	724	174	179	13
Monona	4,075	725	180	175	13
Kossuth	3,944	676	156	180	12
Jackson	3,913	692	162	157	13
Montgomery	3,912	700	175	169	13
Clarke	3,754	671	168	161	12
Cherokee	3,577	654	160	156	12
Clayton	3,384	585	137	139	11
Poweshiek	3,384	601	125	121	11
Chickasaw	3,076	546	136	133	10
Humboldt	3,027	534	132	132	10
Winneshiek	2,973	545	130	130	10
Marion	2,945	541	126	130	10
Buena Vista	2,912	523	123	129	10
Keokuk	2,897	508	125	126	9
Butler	2,849	507	125	121	9
Emmet	2,838	510	121	121	9
Floyd	2,636	479	112	115	9
Palo Alto	2,594	450	104	102	8
Henry	2,560	453	105	112	8
Jones	2,500	424	102	110	8
Hamilton	2,428	434	103	106	8

impact of travel on Iowa counties, 1978 (con't.)

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
Page	$2,421	$427	101	$108	$8
Jefferson	2,404	436	104	107	8
Delaware	2,381	379	61	60	7
Cedar	2,303	390	90	95	7
Worth	2,203	396	100	94	7
Pocahontas	2,163	380	93	94	7
O'Brien	2,155	367	87	97	7
Plymouth	2,110	363	81	96	7
Allamakee	2,098	354	77	78	7
Winnebago	2,029	373	8	89	7
Washington	1,825	312	71	82	6
Union	1,824	327	78	80	6
Shelby	1,813	322	77	80	6
Davis	1,784	311	76	76	6
Wayne	1,776	309	75	78	6
Mills	1,748	296	71	78	5
Sioux	1,722	302	61	83	6
Fremont	1,668	314	77	72	6
Adams	1,647	300	75	70	6
Monroe	1,543	265	64	68	5
Tama	1,508	257	57	64	5
Decatur	1,469	264	66	63	5
Cass	1,416	262	57	64	5
Calhoun	1,415	212	35	46	4
Warren	1,346	202	42	64	4
Lucas	1,304	226	55	57	4
Madison	1,270	210	49	56	4
Wright	1,233	193	39	49	4
Audubon	1,224	228	53	55	4
Franklin	1,224	206	49	53	4
Howard	1,222	212	51	52	4
Adair	1,214	209	51	53	4
Osceola	1,157	204	50	50	4
Greene	1,133	203	48	50	4
Sac	1,092	167	28	33	3
Louisa	1,008	155	27	33	3
Hancock	898	171	37	39	3
Mitchell	879	146	33	37	3
Grundy	775	123	27	35	2
Ringgold	718	120	27	29	2
Ida	676	111	26	31	2
Benton	649	88	16	30	2
Taylor	575	101	25	25	2
Lyon	571	87	20	27	2
Van Buren	487	83	20	20	2

Source: U.S. Travel Center County Travel Economic Impact Model (CTEIM), 1979.

travel to and through Iowa, 1977

Characteristics of trip or traveler	All travel to and through state				Trips to destinations			
					In This State		In Other States[1]	
	Households taking trips (thousands)	Persons taking trips (thousands)	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]
TOTAL	3,364	7,673	17,665	29,173	8,763	25,814	1,772	3,360
Means of Transport								
Auto/Truck (without camping equip.)	(z)	(z)	14,468	21,757	7,129	19,802	1,185	1,955
Auto/Truck (with camping equip.)	(z)	(z)	1,806	2,219	772	1,733	290	486
Bus	(z)	(z)	154	393	109	349	45	45
Train	(z)	(z)	2	4	2	4	—	—
Air	(z)	(z)	650	3,123	546	2,689	105	434
Other	(z)	(z)	106	178	72	97	35	81
Purpose of Trip								
Visit Relatives/Friends	(z)	(z)	7,867	13,760	4,063	12,158	736	1,602
Business	(z)	(z)	2,413	7,166	1,572	6,873	168	293
Convention	(z)	(z)	353	361	139	294	38	67
Outdoor Recreation	(z)	(z)	1,891	1,400	672	1,151	106	249
Entertainment	(z)	(z)	982	578	309	416	130	162
Sightseeing	(z)	(z)	1,220	1,090	254	447	356	643
Personal/Fam. Aff/Med	(z)	(z)	1,702	3,448	1,016	3,277	117	171
Shopping	(z)	(z)	118	26	71	26	—	—
Other	(z)	(z)	1,121	1,345	668	1,172	123	173
Family Income								
Under $5,000	401	700	2,046	2,762	1,098	2,369	115	392
$5,000 to $7,499	252	526	859	1,194	369	1,004	118	191
$7,500 to $9,999	271	567	1,309	2,108	776	1,761	124	348
$10,000 to $14,999	749	1,684	3,453	6,549	1,649	5,867	397	681
$15,000 to $19,999	628	1,539	3,749	5,788	1,893	5,210	350	578
$20,000 to $24,999	421	1,167	2,188	3,577	1,027	3,086	269	491
$25,000 to $49,999	559	1,314	3,704	3,878	1,697	3,217	382	661
$50,000 or More	84	176	358	3,318	255	3,300	18	18
Occupation of Household Head								
Professional and Technical	577	1,364	3,228	5,495	1,678	4,758	363	737
Mgr./Admin. Except Farm	464	1,118	2,514	4,880	1,398	4,435	310	445
Sales	175	320	1,185	517	409	480	37	37
Clerical	227	434	773	1,483	309	1,162	86	321
Craft and Kindred	526	1,429	3,627	6,337	1,732	5,776	365	561
Operatives	261	646	1,414	3,249	787	3,115	83	134
Nonfarm Laborers	37	97	112	77	28	47	27	30
Service Workers	166	439	803	982	477	881	53	101
Farm Workers	246	615	1,969	1,664	1,029	1,496	105	168
Retired	391	756	1,335	2,450	590	1,895	242	555
Other	295	456	705	2,039	326	1,769	100	270
Size of Household								
1 Person	626	570	1,168	2,674	495	2,188	116	486
2 Persons	1,203	2,106	4,850	10,027	2,174	8,864	583	1,163
3 Persons	500	1,200	3,087	3,345	1,403	2,917	275	428
4 Persons	554	1,741	4,689	5,551	2,560	4,874	438	676
5 Persons or More	481	2,056	3,871	7,577	2,132	6,971	360	607
Weekend or Other Trip								
Weekend	(z)	(z)	7,117	7,291	4,302	7,058	185	233
Not a Weekend	(z)	(z)	10,440	51,774	4,415	18,647	1,587	3,127
Not Reported	(z)	(z)	108	108	46	108	—	—
Vacation or Other Trip								
Vacation	(z)	(z)	8,386	14,334	2,964	11,686	1,379	2,648
Not a Vacation	(z)	(z)	9,179	14,634	5,771	13,969	370	665
Not Reported	(z)	(z)	100	206	28	159	23	47
Round-Trip Distance								
200 to 299 Miles	(z)	(z)	3,916	4,002	3,155	3,965	24	37
300 to 399 Miles	(z)	(z)	2,769	3,950	2,002	3,899	28	51
400 to 599 Miles	(z)	(z)	3,384	3,864	1,580	3,706	119	158
600 to 799 Miles	(z)	(z)	1,647	7,778	967	7,538	100	239
800 to 999 Miles	(z)	(z)	943	1,244	273	1,035	52	209
1,000 to 1,999 Miles	(z)	(z)	2,135	2,855	372	1,874	527	982
2,000 and Over	(z)	(z)	2,614	5,275	414	3,796	823	1,480
Outside United States	(z)	(z)	256	204	—	—	98	204
Duration of Trip[3]								
No Nights out of Town	(z)	(z)	2,524	—	2,067	—	—	—
1 Night	(z)	(z)	2,272	1,700	1,715	1,692	8	8
2-3 Nights	(z)	(z)	5,867	6,766	2,916	6,510	229	256
4-9 Nights	(z)	(z)	3,899	7,564	1,391	6,772	517	792
10-15 Nights	(z)	(z)	1,511	5,431	440	4,552	470	879
16 Nights or More	(z)	(z)	1,592	7,712	234	6,288	547	1,424

travel to and through Iowa, (continued)

Characteristics of trip or traveler	All travel to and through state				Trips to destinations			
					In This State		In Other States[1]	
	Households taking trips (thousands)	Persons taking trips (thousands)	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]
Number on Trip[4]								
1 Person	(z)	(z)	4,693	11,997	2,460	10,938	401	1,059
2 Persons	(z)	(z)	5,949	7,180	2,486	6,063	646	1,117
3 Persons	(z)	(z)	1,920	2,556	913	2,290	206	267
4 Persons	(z)	(z)	3,375	4,1[illegible]	1,973	3,566	360	609
5 Persons or More	(z)	(z)	1,728	3,265	932	2,957	159	308
Age of Traveler[3]								
Under 18 Years	—	1,983	4,127	6,320	2,293	5,634	414	686
18-24	382	935	1,895	2,790	791	2,300	173	491
25-34	764	1,294	3,083	3,737	1,308	3,157	312	580
35-44	614	974	2,886	5,275	1,665	4,888	224	387
45-54	652	999	2,834	6,331	1,588	6,025	207	306
55-64	490	846	1,707	2,596	532	1,995	299	602
65 Years and Over	463	643	1,134	2,124	587	1,816	143	308
Education of Traveler[3]								
Elementary School or Less	308	2,086	4,232	6,521	2,253	5,711	499	810
High School	1,591	3,328	7,647	13,919	3,640	12,768	637	1,151
College	1,465	2,259	5,786	8,734	2,871	7,335	637	1,399
Sex of Traveler[3]								
Male	2,824	3,939	9,639	16,377	4,802	14,975	904	1,402
Female	540	3,735	8,026	12,796	3,962	10,838	868	1,958
Area of Permanent Residence								
In an SMSA Under One Million	953	2,339	7,143	7,877	3,666	6,996	541	880
In an SMSA One Million and Over	1,020	2,238	4,000	9,833	2,141	8,644	675	1,189
Not in an SMSA	1,391	3,097	6,522	11,464	2,957	10,173	555	1,291
Travel Region of Origin								
New England	(z)	(z)	138	133	12	17	96	116
Eastern Gateway	(z)	(z)	266	555	91	395	119	161
G. W. Country	(z)	(z)	176	349	51	288	46	61
South	(z)	(z)	312	1,454	161	1,310	70	144
Great Lakes Country	(z)	(z)	13,103	14,436	6,561	13,017	852	1,420
Mountain West	(z)	(z)	1,396	2,303	677	1,903	209	400
Frontier West	(z)	(z)	1,775	7,182	985	6,417	290	765
Far West and Hawaii	(z)	(z)	500	2,760	227	2,467	90	293

NOTE: Data include only those trips through the State in which 1 night or more was spent in the State. Detail may not add to totals within the table and totals may differ between tables due to rounding.

— Represents zero or rounds to zero. (z) Not applicable.

[1] Includes trips to destinations outside the United States.

[2] Nights spent in state.

[3] Includes total nights spent on trip, not just nights spent in state.

[4] Apparent inconsistency between figure for household trips and that for person-trips is because the two kinds of trips were weighted independently.

Iowa is an overnight trip to one-fourth of nation's population; has beelines to seaports

Iowa is an ideal distribution point.

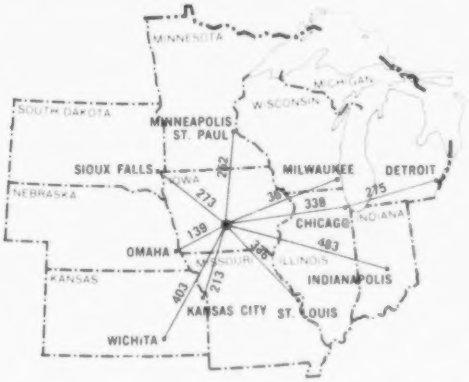
Only a day away are Chicago, Twin Cities, St. Louis, Kansas City, Milwaukee, Omaha, and Wichita—plus the many wealthy markets in between.

A rig can reach the farthest point in America in only three days; a train can do it in four.

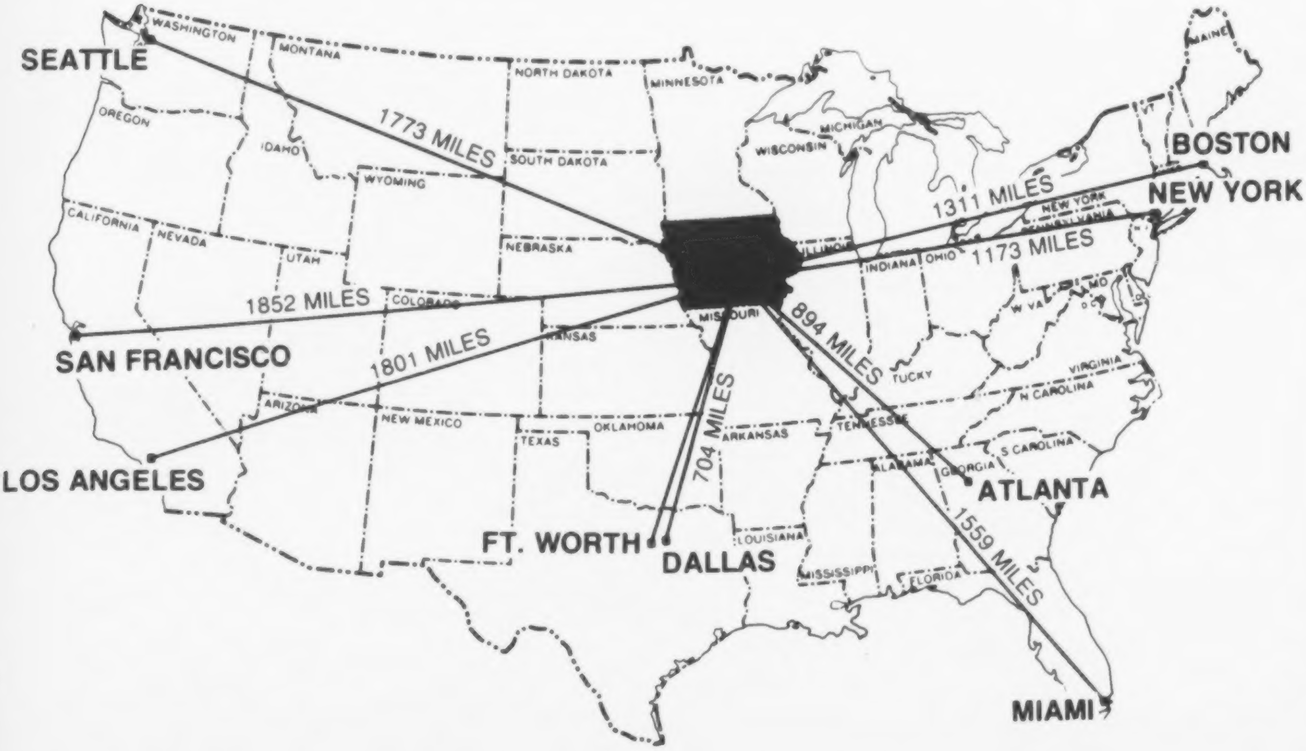
The nation's two transcontinental interstate highways intersect in Iowa. The state is served by all major truck lines and "double bottoms" are legal. You can reach the sea by water or road.

Add Iowa's transportation advantages to its "Open Port Warehousing" and you have the perfect combination for moving products.

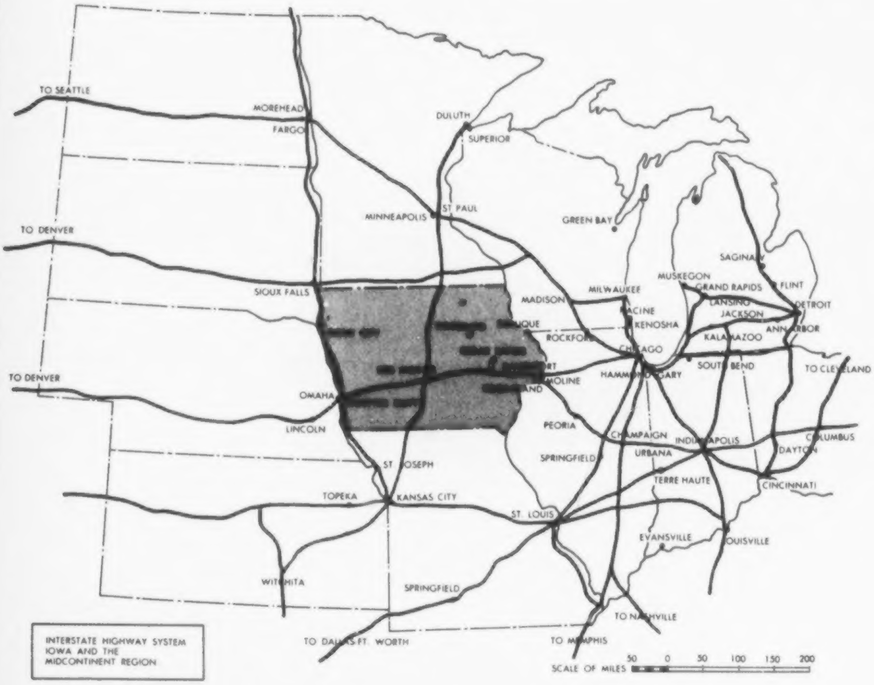
DISTANCE FROM CENTRAL IOWA TO URBAN CENTERS IN TEN-STATE REGIONAL MARKET


MINNESOTA
SOUTH DAKOTA
WISCONSIN
MICHIGAN
NEBRASKA
IOWA
KANSAS
MISSOURI
ILLINOIS
INDIANA
MINNEAPOLIS ST. PAUL
SIOUX FALLS
MILWAUKEE
DETROIT
CHICAGO
OMAHA
INDIANAPOLIS
KANSAS CITY
ST. LOUIS
WICHITA
202
273
30
338
215
139
483
336
213
403

America's most depression-proof market, with 47 million people and 65,000 factories.


SEATTLE
1773 MILES
SAN FRANCISCO
1852 MILES
LOS ANGELES
1801 MILES
FT. WORTH
DALLAS
704 MILES
894 MILES
ATLANTA
1559 MILES
MIAMI
1311 MILES
BOSTON
1173 MILES
NEW YORK
WASHINGTON
MONTANA
OREGON
IDAHO
WYOMING
CALIFORNIA
NEVADA
UTAH
COLORADO
ARIZONA
NEW MEXICO
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
KANSAS
OKLAHOMA
TEXAS
MINNESOTA
WISCONSIN
MICHIGAN
ILLINOIS
MISSOURI
ARKANSAS
LOUISIANA
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
TENNESSEE
TUCKY
INDIANA
OHIO
W VA
VIRGINIA
N CAROLINA
S CAROLINA
NEW YORK
MAINE
VT

Iowa transportation


TO SEATTLE
MOREHEAD
FARGO
DULUTH
SUPERIOR
TO DENVER
MINNEAPOLIS
ST PAUL
GREEN BAY
SAGINAW
FLINT
MUSKEGON
GRAND RAPIDS
SIOUX FALLS
MADISON
MILWAUKEE
RACINE
KENOSHA
LANSING
JACKSON
DETROIT
ANN ARBOR
ROCKFORD
CHICAGO
KALAMAZOO
TO DENVER
MOLINE
HAMMOND
GARY
SOUTH BEND
TO CLEVELAND
OMAHA
LINCOLN
PEORIA
CHAMPAIGN
URBANA
INDIANAPOLIS
COLUMBUS
DAYTON
SPRINGFIELD
ST JOSEPH
TERRE HAUTE
CINCINNATI
TOPEKA
KANSAS CITY
ST. LOUIS
EVANSVILLE
LOUISVILLE
WICHITA
SPRINGFIELD
TO NASHVILLE
TO DALLAS-FT. WORTH
TO MEMPHIS
SCALE OF MILES
50 0 50 100 150 200
INTERSTATE HIGHWAY SYSTEM
IOWA AND THE
MIDCONTINENT REGION

INTERSTATE HIGHWAY SYSTEM
IOWA AND THE MIDCONTINENT REGION

Iowa is ahead of 40 other states in miles of roads, even though it is only twenty-fifth in area.

Aside from its interstate highways, Iowa's extensive internal road system is based on a "farm-to-market" philosophy that reflects the urgency of moving the vast agricultural production.

Those same roads and highways, constantly updated, now also serve the industries that have been established in all parts of Iowa since World War II.

You can drive to Boston from Iowa's western border without hitting a stop sign.

how Iowa gets around—land and air

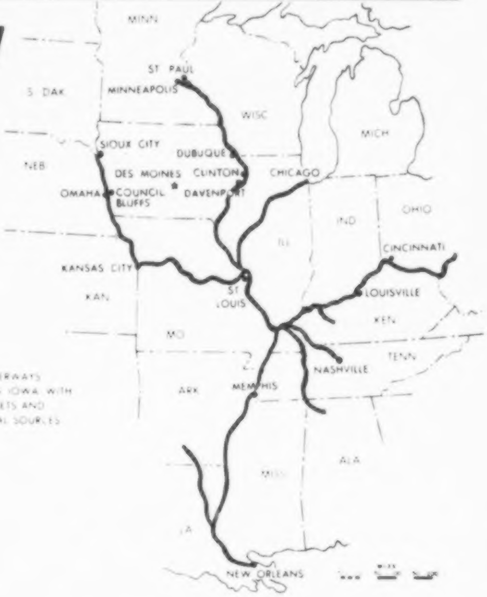
Railroads	
Class I Miles of Road Operated	4,650
Motor Vehicle Registration—1980	2,546,146
Auto	1,692,840
Trucks	605,450
Motorcycles	219,466
Truck Tractors	28,390
Airports—Public and Private	355
All Weather Runways	90
Lighted Runways	133

Iowa Highway and Road Mileage—Jan. 1, 1981	
Portland cement	12,463.21
Asphalt paved	20,378.92
Bituminous treated	2,693.78
Gravel or stone	70,766.99
Not surfaced	5,954.08
Total	112,256.98
Municipal	13,392.03
Rural	98,555.79
State Parks & Inst. Roads	309.16

Source: Iowa Department of Transportation

goes everywhere everyway

Iowa has water routes to the seas, industrial centers


MINN
ST. PAUL
MINNEAPOLIS
S. DAK
WISC
MICH
SIOUX CITY
DUBUQUE
NEB
DES MOINES
CLINTON
CHICAGO
OMAHA
COUNCIL BLUFFS
DAVENPORT
IND
OHIO
ILL
CINCINNATI
KANSAS CITY
KAN
ST. LOUIS
LOUISVILLE
KEN
MO
TENN
NASHVILLE
ARK
MEMPHIS
MISS
ALA
LA
NEW ORLEANS

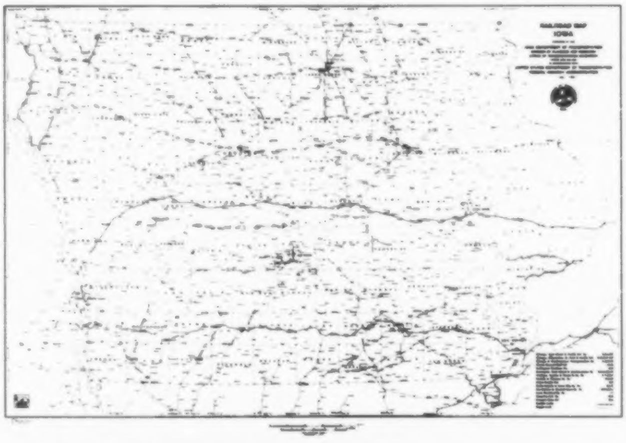
Major navigable rivers bordering Iowa

INLAND WATERWAYS CONNECTING IOWA WITH MAJOR MARKETS AND RAW MATERIAL SOURCES

Iowa is the *only* state bordered by two navigable rivers. Goods can go by water as far east as Pennsylvania, west to Oklahoma, and to seaports on the Gulf and Great Lakes.

Over 34,000,000 tons of cargo moved on the Mississippi past Davenport in 1980. It included more than 22 million tons of grain, more than 4 million tons of coal and more than 2 million tons of petroleum.

Iowa railroads reliable

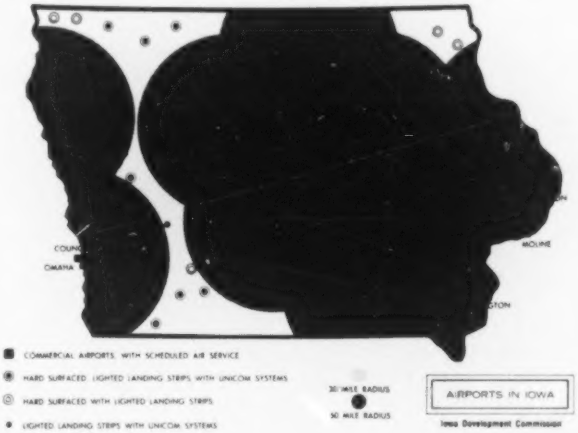


MAJOR RAILROADS SERVING IOWA

Iowa has seven Class I and ten Class III railroads and over 4,600 miles of operated track.

Class I railroads serving Iowa offer "piggyback" service. Shipments can reach about one-fourth of the nation in a day, the farthest point in about four.

You can blanket Iowa by air


COUN
OMAHA
MOLINE
GTON
■ COMMERCIAL AIRPORTS, WITH SCHEDULED AIR SERVICE
◉ HARD SURFACED, LIGHTED LANDING STRIPS WITH UNICOM SYSTEMS
◎ HARD SURFACED WITH LIGHTED LANDING STRIPS
• LIGHTED LANDING STRIPS WITH UNICOM SYSTEMS
30 MILE RADIUS
50 MILE RADIUS
AIRPORTS IN IOWA
Iowa Development Commission

Iowa has 355 public and private airports. Of these, 90 have all-weather runways and 131 are lighted. Almost 3,200 general aircraft are in use in Iowa.

Iowa is served by six first-level airlines (United, Ozark, Braniff, Frontier, Republic and TWA) and five commuter airlines (Air Mid-West, Mississippi Valley Airlines, Mid-Continent Airlines, Britt Airlines and Air Illinois).

Next four pages show scope of Iowa transportation

revenue freight originating on class 1 railroads, Iowa (tons)

Code No	Commodity	1967	1970	1975	1978	1979[1]	1980
01	Farm Products	6,594,827	10,950,353	10,571,249	13,095,181	16,291,837	17,850,717
08	Forest Products	50			31	60	—
09	Fresh Fish	474	592	216	—	—	—
10	Metallic Ores	623	1,597	308	476	193	170
11	Coal	608,077	548,202	243,922	274,473	247,364	13,220
13	Crude Petroleum	336	2,013		—	—	—
14	Nonmetallic Minerals	2,278,296	2,084,640	1,876,412	1,665,242	1,537,623	422,804
19	Ordnance and Accessories	112,806	115,309	51,292	14,136	9,115	4,972
20	Food and Kindred Products	7,431,136	7,737,795	7,138,873	7,347,526	7,451,118	6,752,803
21	Tobacco Products	269	54	18	30	59	—
22	Basic Textiles	1,182	1,018	722	855	949	296
23	Apparel and Finished Textile	3,690	444	54	20	204	39
24	Lumber and Wood Products	172,484	165,503	94,892	74,728	79,331	48,730
25	Furniture and Fixtures	22,188	31,973	27,299	32,399	32,734	15,103
26	Pulp, Paper and Allied Products	102,117	114,831	100,392	90,029	100,167	87,539
27	Printed Matter	42,367	40,719	27,387	23,804	20,330	12,530
28	Chemical and Allied Products	1,393,263	1,929,577	1,644,805	1,809,772	1,847,620	1,777,066
29	Petroleum and Coal Products	177,477	227,352	85,736	86,358	86,415	61,292
30	Rubber and Miscellaneous Plastic	35,605	110,663	93,208	50,778	53,306	36,041
31	Leather and Leather Products	355	2,161	94	220	256	847
32	Stone, Clay, Glass Products	2,925,747	2,062,995	1,187,516	1,309,144	1,174,888	1,029,447
33	Primary Metal Products	214,707	229,061	166,447	221,029	199,306	166,519
34	Fabricated Metal Products	82,960	80,117	54,569	65,351	65,818	79,743
35	Machinery Except Electrical	213,547	173,756	165,762	112,047	128,331	155,374
36	Electrical Machinery	113,961	166,603	154,534	58,048	61,357	39,762
37	Transportation Machinery	25,078	28,674	27,392	89,804	67,363	82,997
38	Instruments, Optical Products	156	301		136	57	—
39	Miscellaneous Manufacturing Products	1,239	1,938	2,455	1,858	1,964	1,551
40	Wasted Scrap Materials	379,301	504,531	579,930	627,712	711,924	627,277
41	Miscellaneous Freight Shipments	8,827	9,312	5,826	9,250	11,184	8,766
42	Container, Returned Empty	30,093	32,756	17,323	11,223	10,197	9,405
44	Freight Forwarder Traffic	844	3,078	406	8,430	10,837	11,302
45	Shipper Associate or Similar Traffic	397	1,438	11,306	7,308	10,773	6,054
46	Miscellaneous Mixed Shipments	26,237	41,408	87,611	195,893	220,575	144,252
	Grand Total Carload	23,000,716	27,400,765	24,417,956	27,283,291	30,433,255	29,446,618
47	Small Packaged Freight Shipments	6,041	8,866	1,660	2,003	2,322	1,851
	Carload and LCL Traffic	23,006,757	27,409,631	24,419,616	27,285,294	30,435,577	29,448,469

[1] Rock Island data based on 1978. 1979 data not available from the Rock Island.

Source: Iowa Department of Transportation, Advance Planning Division.

revenue freight terminating on class 1 railroads, Iowa (tons)

Code No	Commodity	1967	1970	1975	1978	1979[1]	1980
01	Farm Products	6,098,438	5,849,797	5,318,918	3,408,115	3,300,217	3,160,190
08	Forest Products	6,484	18,405	19,592	20,639	26,955	16,777
09	Fresh Fish	20,620	14,594	9,126	8,265	7,273	5,421
10	Metallic Ores	74,928	49,587	8,016	33,496	35,262	42,672
11	Coal	3,077,387	3,402,527	4,071,743	6,937,659	9,610,813	9,617,358
13	Crude Petroleum	274	2,224	224	1,432	996	30
14	Nonmetallic Minerals	2,642,300	2,459,163	2,352,562	2,085,320	2,013,543	743,136
19	Ordnance and Accessories	56,901	78,220	37,285	1,004	3,110	1,617
20	Food and Kindred Products	2,222,532	2,455,156	1,765,620	1,798,441	1,779,019	1,200,952
21	Tobacco Products	2,135	4,209	6,907	4,324	3,442	2,901
22	Basic Textiles	17,306	16,886	18,893	9,478	10,507	5,299
23	Apparel and Finished Textile	3,874	905	476	718	645	149
24	Lumber and Wood Products	678,543	627,922	545,636	579,967	541,369	299,121
25	Furniture and Fixtures	18,098	24,031	20,097	13,596	11,797	7,703
26	Pulp, Paper and Allied Products	618,441	756,008	685,197	822,147	822,027	716,355
27	Printed Matter	4,786	6,019	9,493	530	168	504
28	Chemical and Allied Products	2,720,422	3,209,320	3,362,749	3,590,964	3,970,515	3,314,087
29	Petroleum and Coal Products	520,527	462,522	440,687	304,774	366,529	187,675
30	Rubber and Miscellaneous	42,308	68,369	47,288	51,227	49,435	20,736
31	Leather and Leather Products	582	2,528	196	158	65	—
32	Stone, Clay, Glass Products	1,774,557	840,991	633,174	502,659	415,057	263,722
33	Primary Metal Products	666,911	700,010	484,711	717,321	713,056	549,684
34	Fabricated Metal Products	185,250	161,217	117,788	50,411	34,084	30,755
35	Machinery Except Electrical	92,382	67,346	57,804	22,255	21,328	17,949
36	Electrical Machinery	35,881	49,500	27,671	21,874	24,173	12,483
37	Transportation Machinery	175,062	186,929	252,591	291,115	269,643	162,410
38	Instruments, Optical Products	420	867	509	103	143	20
39	Miscellaneous Manufacturing Products	1,722	2,474	1,382	745	960	5,415
40	Wasted Scrap Materials	320,549	367,445	313,510	563,833	571,202	482,351
41	Miscellaneous Freight Shipments	10,166	7,530	4,102	3,297	2,438	3,687
42	Container, Returned Empty	6,175	6,087	8,019	9,781	8,304	8,839
44	Freight Forwarder Traffic	8,365	12,325	2,628	793	3,651	1,159
45	Shipper Associate of Similar Traffic	17,119	4,588	13,653	13,349	16,788	14,919
46	Miscellaneous Mixed Shipments	54,993	103,996	115,415	88,295	109,796	73,988
	Grand Total Carload	22,176,438	22,140,697	20,753,662	21,959,681	24,744,310	20,978,064
47	Small Packaged Freight Shipments	7,705	6,231	5,232	1,596	2,131	1,099
	Carload and LCL Traffic	22,184,143	22,146,928	20,758,894	21,961,277	24,746,441	20,979,163

[1] Rock Island data based on 1978. 1979 data not available from the Rock Island.

Source: Iowa Department of Transportation, Advance Planning Division.

average daily traffic at permanent continuous automatic traffic recorders in Iowa

(based on 91 automatic traffic count stations)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1980	305,116	314,907	331,774	357,078	376,912	395,354	399,170	414,204	378,773	373,682	360,186	338,391
1979	276,947	312,986	340,452	372,005	385,557	396,600	392,307	407,883	379,539	366,057	348,062	332,534

Source: Iowa Department of Transportation, Planning and Research Division.

registered aircraft in Iowa

	1960	1970	1975	1976	1977	1978	1979	1980
Number of registered aircraft in Iowa	1,654	2,565	2,789	2,984	2,907	2,940	2,970	3,000

Source: Iowa Department of Transportation.

class 1 railroads[1], Iowa

	1960	1965	1970	1975	1978	1979	1980
Miles of road operated within the state	8,301	8,154	7,963	7,457	6,963	6,904	4,650
Tons of revenue freight carried within the state	89,663,657	101,803,715	93,916,708*	112,680,340	134,630,000	147,264,000[2]	137,294,000

[1] Class 1 railroads are those having revenues of $50 million and over per year.
[2] Data from Rock Island based on 1978. 1979 data not available.
Source: Iowa Department of Transportation, Advance Planning Section.

class 1 passenger motor carriers[1], Iowa

	1960	1965	1970	1975	1978	1979	1980
Passenger motor bus miles in Iowa	8,715,633	9,550,434	11,015,445	10,549,970	10,712,963	8,769,514	11,446,453
Total revenue passengers carried in Iowa	1,457,524	1,211,394	1,267,331	1,388,463	1,244,396	1,191,664	1,357,773

[1] Passenger Motor Carriers with revenues exceeding $200,000.
Source: Iowa Department of Transportation, Public Transit Division.

unofficial navigation tonnage

	1970 (tons)	1975 (tons)	1976 (tons)	1977 (tons)	1978 (tons)	1979 (tons)	1980 (tons)
Missouri River							
Traffic—Sioux City to Omaha							
Grain	93,112	34,146	79,559	126,558	228,384	195,516	59,316
Food & Kindred Products	113,243	119,090	260,610	205,930	141,023	156,087	148,594
Chemicals	118,198	138,149	95,294	120,545	97,058	142,080	85,679
Other	48,765	64,029	61,185	61,312	50,151	48,615	56,704
Total	373,318	355,414	496,648	514,345	516,616	542,298	350,293
Mississippi River							
Traffic—Rock Island District							
Grain	9,022,300	12,054,324	14,278,410	13,209,885	16,757,603	21,358,560	22,774,160
Coal	6,401,355	4,932,500	3,842,030	4,584,700	4,168,450	4,176,600	4,176,600
Petroleum	2,708,721	2,100,053	2,212,265	2,747,044	2,519,879	2,488,060	2,586,760
Other	4,278,094	5,418,246	5,325,024	5,850,135	5,830,900	4,589,233	4,817,869
Total	22,410,470	24,505,123	25,657,729	26,391,764	29,276,832	32,612,453	34,355,389

Source: U.S. Army Corps of Engineers.

Iowa road construction, summary of contracts approved

Fiscal Year	Primary Roads	Interstate Roads	State Parks and Institutional Roads	Farm to Market Roads	Total
7-1-63 to 6-30-64	$ 43,187,627	$35,842,586	$ 303,426	$22,721,379	$102,055,019
7-1-64 to 6-30-65	25,171,981	31,077,640	121,606	21,730,757	78,101,985
7-1-65 to 6-30-66	38,449,469	57,713,523	868,415	23,740,849	120,772,257
7-1-66 to 6-30-67	47,508,849	52,000,455	485,417	26,354,687	126,349,410
7-1-67 to 6-30-68	33,889,646	31,241,967	1,088,633	25,657,851	91,878,099
7-1-68 to 6-30-69	37,199,319	43,705,878	1,141,888	27,332,571	109,379,657
7-1-69 to 6-30-70	54,797,875	47,081,770	629,922	26,248,892	128,758,461
7-1-70 to 6-30-71	71,516,579	44,568,497	921,445	30,401,417	147,407,939
7-1-71 to 6-30-72	77,174,848	30,055,936	834,473	28,922,870	136,988,128
7-1-72 to 6-30-73	56,389,721	20,572,545	727,417	29,055,532	106,745,216
7-1-73 to 6-30-74	73,580,000	51,147,000	1,360,000	32,310,000	158,710,905
7-1-74 to 6-30-75	93,693,469	28,921,887	839,234	38,643,382	162,097,972
7-1-75 to 6-30-76	74,349,436	24,923,643	655,277	31,019,921	130,948,279
7-1-76 to 6-30-77	99,076,327	43,357,379	679,271	33,989,926	177,102,904
7-1-77 to 6-30-78	121,110,115	15,007,379	805,732	45,051,623	181,974,849
7-1-78 to 6-30-79	105,277,146	54,518,440	1,437,092	47,287,367	208,520,045
7-1-79 to 6-30-80	75,539,584	20,875,799	1,873,688	49,772,220	148,061,291
7-1-80 to 6-30-81	74,174,384	33,638,590	2,011,011	64,563,285	174,387,270

Source: Iowa Department of Transportation, Contracts.

traffic fatalities midwest states

	Traffic Deaths		Traffic Deaths per 100,000,000 vehicle miles	
State	1979	1980	1979	1980
U.S.	51,900	52,600	3.4	3.5
Iowa	654	626	3.1	3.3
Illinois	2,048	1,994	3.1	3.1
Kansas	520	595	3.4	3.5
Minnesota	881	863	3.0	3.1
Missouri	1,162	1,191	3.4	3.5
Nebraska	330	396	2.7	3.5
S. Dakota	211	228	3.8	4.1
Wisconsin	997	985	3.0	3.0

Source: National Safety Council, Accident Facts.

motor vehicle registrations, Iowa

	1960	1965	1970	1974	1975	1976	1977	1978	1979
Autos	1,074,094	1,241,090	1,387,368	1,497,497	1,528,511	1,584,953	1,617,707	1,531,190	1,703,725
Trucks	240,791	293,473	374,080	468,015	498,049	501,294	560,610	527,287	593,385
Truck Tractors	7,372	6,731	7,406	12,631	12,651	20,026	12,335	6,505	10,901
Motorcycles	11,068	25,778	60,835	138,021	148,669	151,131	159,503	160,136	203,600
Semi-Trailers	126,051[1]	7,817	9,841	14,589	16,364	38,170	18,661	20,185	28,936
Regular Trailers		89,125	113,242	145,838	159,505	169,580	180,270	171,751	224,944
Travel Trailers		16,834	39,013	56,426	60,505	64,909	68,172	64,977	70,066
Mobile Homes		34,619	48,720	73,475	76,095	78,620	81,326	49,934	80,171
Total Registrations	1,459,376	1,747,150	2,075,805	2,393,542	2,506,722	2,608,683	2,698,584	2,531,965	2,915,728
Official Registrations				47,238	39,800	41,097	NA	NA	NA
Total				2,454,764	2,546,522	2,649,780	2,698,584	2,531,965	2,915,728

[1] Figure for total trailers.

Source: Iowa Department of Transportation, Motor Vehicle Registration Reports for 1960, 1965, 1970, 1974-79.

motor vehicle registration, 1980

County	License Number Prefix	Total Registrations[1]
Adair	1	11,210
Adams	2	6,987
Allamakee	3	15,942
Appanoose	4	16,361
Audubon	5	9,374
Benton	6	25,896
Black Hawk	7	133,760
Boone	8	29,515
Bremer	9	26,128
Buchanan	10	23,412
Buena Vista	11	23,503
Butler	12	19,842
Calhoun	13	14,987
Carroll	14	23,346
Cass	15	19,831
Cedar	16	20,845
Cerro Gordo	17	49,275
Cherokee	18	18,634
Chickasaw	19	16,485
Clarke	20	9,513
Clay	21	21,633
Clayton	22	22,042
Clinton	23	54,242
Crawford	24	19,836
Dallas	25	33,787
Davis	26	9,000
Decatur	27	9,726
Delaware	28	18,685
Des Moines	29	47,701
Dickinson	30	18,682
Dubuque	31	77,046
Emmet	32	15,201
Fayette	33	25,674
Floyd	34	21,218
Franklin	35	15,509
Fremont	36	10,614
Greene	37	15,088
Grundy	38	16,243
Guthrie	39	13,793
Hamilton	40	20,907
Hancock	41	15,517
Hardin	42	24,562
Harrison	43	17,457
Henry	44	20,317
Howard	45	11,999
Humboldt	46	14,740
Ida	47	10,238
Iowa	48	17,081
Jackson	49	22,448
Jasper	50	39,727
Jefferson	51	16,224
Johnson	52	65,152
Jones	53	20,714
Keokuk	54	14,461
Kossuth	55	25,179
Lee	56	42,400
Linn	57	163,497
Louisa	58	13,063
Lucas	59	11,324
Lyon	60	13,591
Madison	61	14,555
Mahaska	62	24,240
Marion	63	29,805
Marshall	64	44,144
Mills	65	13,008
Mitchell	66	13,285
Monona	67	13,640
Monroe	68	9,963
Montgomery	69	14,572
Muscatine	70	41,126
O'Brien	71	18,602
Osceola	72	9,340
Page	73	18,575
Palo Alto	74	13,851
Plymouth	75	25,144
Pocahontas	76	13,264
Polk	77	287,386
Pottawattamie	78	79,617
Poweshiek	79	22,241
Ringgold	80	7,482
Sac	81	16,109
Scott	82	143,826
Shelby	83	16,477
Sioux	84	29,753
Story	85	59,464
Tama	86	21,585
Taylor	87	9,315
Union	88	14,750
Van Buren	89	9,389
Wapello	90	40,688
Warren	91	35,900
Washington	92	21,792
Wayne	93	9,387
Webster	94	47,279
Winnebago	95	14,775
Winneshiek	96	20,875
Woodbury	97	90,430
Worth	98	10,064
Wright	99	18,217
County Total		2,925,619
Non-Resident		158
Total		2,925,777

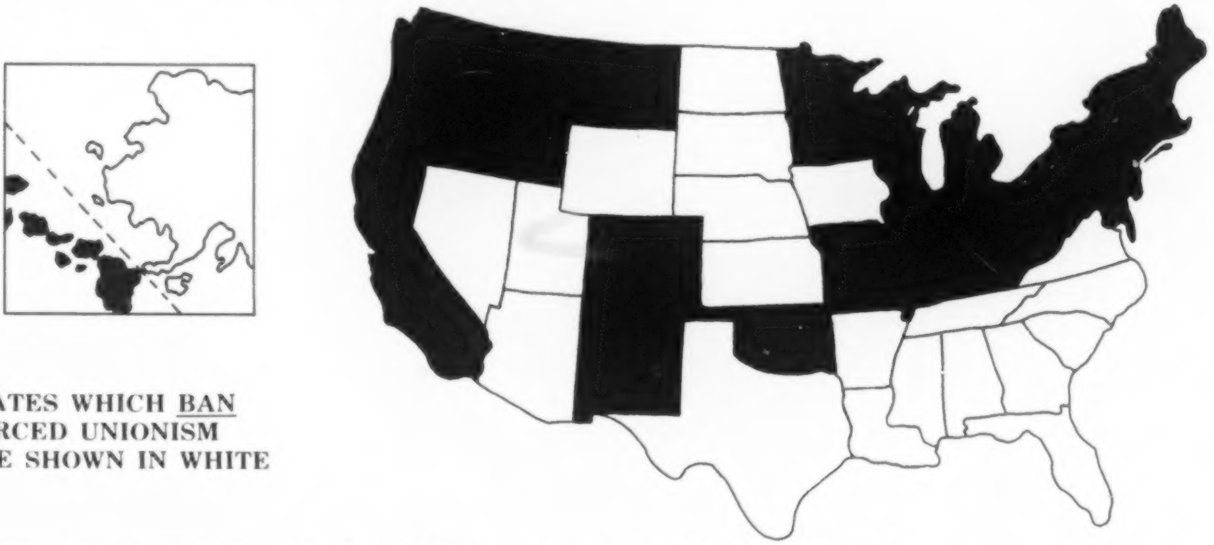
[1] Does not include non-resident registrations.

Source: Iowa Department of Transportation, Motor Vehicle Registration Division.

right to work protected by Iowa law

Iowa law insures that no worker can be deprived of getting or keeping a job because the worker belongs, or does not belong, to any kind of organization—association, labor union, club, professional group, whatever.

Traditionally, support for this law has transcended philosophical differences between political parties and among Iowa legislators. It is unlikely to be changed.



All of the plains states except one were below the national average in estimated time lost due to work stoppages.

Iowa scores well in labor-management harmony

	Union Membership (000's)			Work Stoppages 1978		
	1970	1976	1978	Number	Workers Involved (000's)	Days (Idle (000's)
Iowa	186	192	212	47	13	166
Minnesota	378	385	411	91	35	775
Kansas	112	125	117	21	15	120
Illinois	1,548	1,451	1,497	341	136	3,037
Nebraska	86	87	92	14	14	79
Missouri	594	572	578	92	39	701
Wisconsin	482	506	522	110	28	573
South Dakota	21	21	24	3	1	7
Indiana	657	621	643	211	62	1,497
Ohio	1,413	1,289	1,294	411	141	3,757
All States	19,757	19,874	20,459	4,230	1,623	36,923

Source: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1980.

Iowa unemployment consistently below national average...

	IOWA				U.S.
Year	Total Labor Force (000)	Total Employment[1] (000)	Number Unemployed (000)	Unemployment Rate (%)	Unemployment Rate (%)
1950	1097.7	1065.2	32.5	3.0	5.3
1951	1100.0	1075.7	24.3	2.2	3.3
1952	1084.8	1057.3	27.5	2.5	3.1
1953	1071.7	1043.7	28.0	2.6	2.9
1954	1066.0	1028.5	37.5	3.5	5.6
1955	1072.6	1042.5	30.1	2.8	4.4
1957	1079.7	1047.7	32.0	3.0	4.3
1958	1077.0	1039.5	37.5	3.5	6.8
1959	1102.1	1071.5	30.5	2.8	5.5
1960	1104.1	1069.1	35.0	3.2	5.5
1961	1104.2	1061.0	43.3	3.9	6.7
1962	1087.8	1051.0	36.8	3.4	5.5
1963	1082.9	1049.7	33.1	3.1	5.7
1964	1095.4	1065.7	29.7	2.7	5.2
1965	1118.5	1091.4	27.1	2.4	4.5
1966	1152.0	1127.6	24.3	2.1	3.8
1967	1167.4	1138.7	28.7	2.5	3.9
1968	1177.3	1147.6	29.6	2.5	3.6
1969	1194.1	1160.7	33.4	2.8	3.5
1970[2]	1195.5	1155.7	39.8	3.3	4.9
1971	1208.6	1167.3	41.3	3.4	5.9
1972	1250.3	1218.0	32.3	2.6	5.6
1973	1284.3	1257.8	26.5	2.1	4.9
1974	1303.5	1275.2	28.2	2.2	5.6
1975	1315.4	1259.6	55.8	4.2	8.5
1976	1335.0	1282.0	53.0	4.0	7.7
1977	1385.0	1329.0	56.0	4.0	7.0
1978	1419.0	1362.0	57.0	4.0	6.0
1979	1432.0	1131.7	59.0	4.1	5.7
1980	1449.0	1101.4	83.0	5.7	6.2

[1] Data from 1970 through 1980 has been revised to a "place of residence" concept.

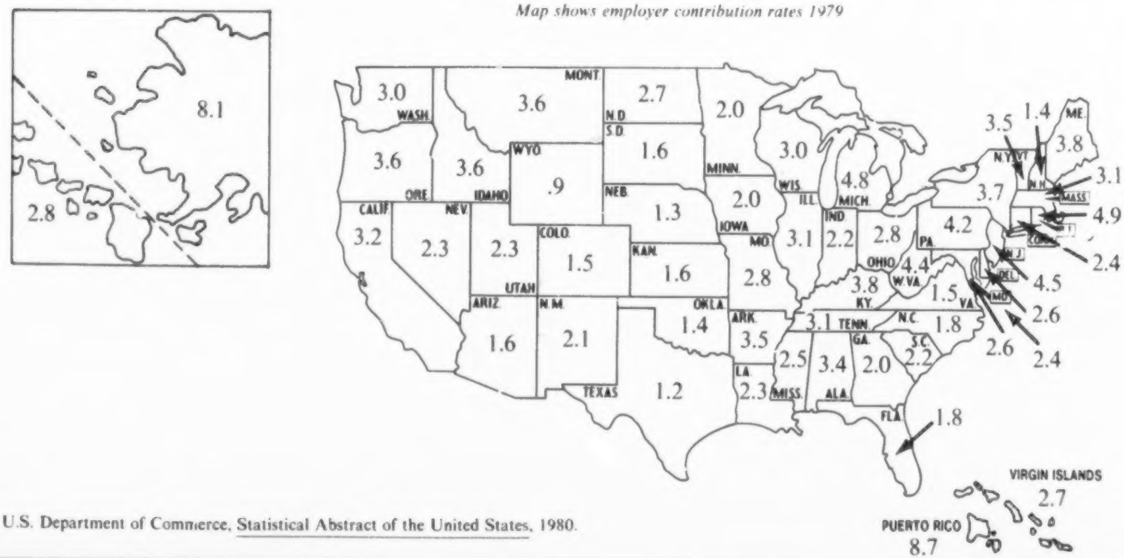
[2] Data from 1970 through 1980 has been adjusted to current population survey.

Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May, 1981.

...so unemployment insurance is used less

National Average..............................2.9

Map shows employer contribution rates 1979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Source: U.S. Department of Commerce, Statistical Abstract of the United States, 1980.

individual Iowans outproduce their neighbors

Midwest States	Value Added (000,000)	Number of Production Workers (000)	Value Added Per Production Worker	Value Added Per Production Man-Hour	Value Added Per Dollar Paid in Production Wages
	Manufacturing — 1978				
Iowa	$ 9,846.1	175.6	$56,071	$29.08	$4.05
Minnesota	10,908.1	228.2	47,800	24.89	3.91
South Dakota	726.1	17.7	41,022	20.68	3.57
Nebraska	3,249.7	66.9	48,575	24.45	4.13
Kansas	6,153.9	132.3	46,514	23.01	3.76
Missouri	15,031.3	308.2	48,771	25.46	3.97
Illinois	44,854.4	870.0	51,556	26.31	3.77
Wisconsin	18,813.9	399.2	47,129	24.12	3.49
Indiana	25,699.9	541.7	47,433	24.28	3.24
Ohio	47,641.4	937.9	50,796	25.49	3.34
United States	657,245.8	14,231.0	46,184	23.74	3.72

Source: 1978 Census of Manufactures, U.S. Department of Commerce, Bureau of the Census.

look at Iowa's favorable employment climate

	Year	United States	Iowa	Minnesota	South Dakota	Nebraska	Kansas	Missouri	Illinois	Wisconsin	Indiana	Ohio
Annual average nonagricultural[1] employment (000)	1978	86,697.0	1,119.2	1,688.9	236.6	609.9	912.5	1,953.1	4,788.8	1,877.0	2,205.5	4,394.8
	1979	89,886.0	1,131.7	1,767.2	241.4	631.2	946.8	2,011.1	4,883.3	1,960.2	2,236.3	4,484.7
	1980	90,657.0	1,101.4	1,770.0	237.1	630.5	949.0	1,969.4	4,892.0	1,944.8	2,137.1	4,398.8
Annual average manufacturing[1] employment (000)	1978	20,505.0	252.5	360.4	24.9	94.1	185.9	456.8	1,276.0	569.7	741.5	1,377.2
	1979	21,062.0	259.8	382.0	27.5	99.6	198.9	464.4	1,271.6	591.3	733.2	1,382.3
	1980	20,361.0	243.5	372.5	26.0	96.1	189.5	435.9	1,222.3	560.2	658.0	1,267.5
Average weekly manufacturing[1] earnings (Dollars)	1978	249.27	281.50	258.89	216.42	239.61	219.29	248.40	271.42	274.21	295.40	306.91
	1979	268.94	313.80	277.20	238.83	269.69	273.10	264.55	296.66	297.00	315.94	325.36
	1980	288.62	343.30	299.83	266.50	298.08	295.80	284.59	320.15	323.10	337.90	347.94
Average weekly manufacturing[1] hours	1978	40.4	40.1	40.2	41.7	41.1	41.1	40.0	40.1	41.0	41.2	42.1
	1979	40.2	40.5	40.0	41.9	41.3	40.7	39.5	40.7	40.9	40.5	41.5
	1980	39.7	39.6	39.4	41.0	40.5	40.3	39.2	39.8	40.2	39.8	40.6
Average hourly manufacturing[1] earnings, incl. overtime (Dollars)	1978	6.17	7.02	6.44	5.19	5.83	N/A	6.21	6.76	6.69	7.17	7.29
	1979	6.69	7.75	6.93	5.01	6.53	6.71	6.70	7.30	7.27	7.74	7.84
	1980	7.27	8.67	7.61	6.21	7.36	7.34	7.26	8.04	8.03	8.49	8.57
Labor union membership[2] Nonagricultural employment (%)	1978	23.6	19.2	24.4	10.3	15.3	12.8	30.0	31.5	27.8	29.3	29.5
Unemployment (%)[1]	1978	6.0	4.0	3.9	2.7	2.5	2.7	4.7	5.5	5.2	5.5	5.6
	1979	5.7	4.1	4.2	3.5	3.2	3.4	4.5	5.5	4.5	6.4	5.9
	1980	6.2	5.7	5.7	4.7	4.0	4.4	7.0	8.3	7.0	9.6	8.4

Source: [1]Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May, 1981.
[2]U.S. Bureau of Labor Statistics, Directory of National Unions and Employee Associations, 1977, and 1979. Statistical Abstract of the United States, 1980.

nonagricultural employment shows Iowa's versatility *(figures in 000's)*

Industry	1960 Annual Average	1965 Annual Average	1970 Annual Average	1975 Annual Average	1977 Annual Average	1978 Annual Average	1979 Annual Average	1980 Annual Average
Total Nonagricultural	681.0	754.6	882.8	993.1	1,079.2	1104.5	1128.3	1101.4
Manufacturing	176.6	192.4	215.5	229.6	245.6	249.8	258.0	243.5
Durable goods	94.1	107.8	122.8	140.2	152.0	155.5	162.1	149.1
Lumber and furniture	7.5	6.5	8.2	8.2	9.6	9.8	10.0	8.5
Stone, clay and glass	6.8	6.5	6.7	6.2	7.6	7.3	7.4	6.4
Primary metal industries	6.4	8.0	8.5	7.6	8.1	8.8	9.1	8.5
Fabricated metal products	9.6	11.0	13.1	16.1	19.9	20.4	19.7	19.4
Machinery (except electrical)	33.6	41.3	44.6	58.9	62.0	63.6	68.9	63.9
Farm machinery	21.5	26.2	24.0	27.6	26.4	26.3	29.2	26.6
Construction and related machinery	5.0	6.1	9.0	18.5	20.7	22.0	23.4	22.0
Electrical equipment and supplies	19.4	22.7	23.7	24.5	25.5	25.1	25.6	25.1
Transportation equipment	2.2	2.7	5.6	7.9	9.8	10.2	10.6	7.4
Other durable goods[1]	8.6	9.1	12.4	10.9	9.4	10.3	10.6	9.9
Nondurable goods	82.5	84.6	92.7	89.3	93.6	94.3	95.9	94.5
Food and kindred products	53.4	51.5	54.4	48.3	48.4	47.3	48.2	48.9
Meat products	27.3	25.6	28.2	24.2	24.6	24.2	24.1	24.9
Grain mill products	8.8	9.4	10.9	11.0	10.9	10.7	10.8	11.2
Bakery products	NA	3.8	3.3	3.0	2.6	2.5	2.6	2.6
Apparel	3.8	3.9	4.0	3.9	4.3	4.4	4.2	4.1
Printing and publishing	11.9	12.3	13.6	14.8	16.1	17.2	17.7	17.9
Newspapers	6.0	6.2	6.6	6.5	7.0	7.3	7.5	7.5
Chemicals and allied products	5.1	6.1	7.5	7.2	7.8	7.9	8.0	7.8
Other nondurable goods[2]	1.2	1.3	1.8	1.9	2.3	2.3	2.2	2.0
Paper and allied products	2.2	2.9	3.6	3.5	4.0	4.1	4.0	4.0
Rubber and plastic products	4.8	6.6	7.8	9.9	10.8	11.0	11.5	9.8
Nonmanufacturing	504.4	562.2	667.3	763.5	833.6	854.7	870.3	857.9
Mining	3.3	3.3	3.0	2.8	2.5	2.3	2.5	2.3
Contract construction	36.6	37.4	40.6	46.5	57.6	57.6	58.2	47.4
Transportation and public utilities	53.6	49.6	51.1	54.7	55.0	55.8	58.3	55.5
Railroad transportation	15.7	12.5	10.1	9.0	8.8	8.4	8.7	7.7
Communication	12.9	11.5	12.5	13.4	13.3	13.7	14.3	14.4
Electric, gas and sanitary service	9.7	9.0	9.7	10.9	9.9	10.2	10.4	10.5
Wholesale and retail trade	169.8	185.6	209.2	245.0	275.4	281.6	286.2	280.4
Wholesale trade	42.4	43.8	44.1	50.4	72.6	72.5	75.3	76.6
Retail trade	127.5	141.8	165.2	194.5	202.8	209.1	210.8	203.8
Retail general merchandise	20.1	22.4	25.6	28.6	28.2	29.0	28.4	27.2
Finance, insurance and real estate	31.6	35.8	41.0	47.2	52.6	55.2	57.0	57.7
Banking	9.4	11.0	13.2	15.7	16.7	17.2	17.8	18.0
Insurance carriers, agents, and brokers	13.5	14.9	16.6	18.8	20.9	21.7	22.6	23.3
Service and miscellaneous	92.6	111.9	146.7	176.5	188.1	194.7	202.8	207.7
Medical and other health services	26.3	34.1	44.3	57.1	68.2	71.4	73.9	76.2
Government	116.9	138.5	175.7	190.8	202.5	207.6	205.5	206.9

[1] Includes ordnance and accessories, instruments and related products, and miscellaneous manufacturing

[2] Includes textile mill products, petroleum and coal products, and leather and leather products

Place of Work Concept: Method by which an employed individual is counted in the area where he works regardless of the area where he lives

Source: Research and Statistics Division, Job Service of Iowa.

Iowa factory workers[a] earn good, not excessive, hourly wages

Industry	1965 Average	1967 Average	1970 Average	1975 Average	1977 Average	1978 Average	1979 Average	1980 Average
Manufacturing	$2.78	$3.01	$3.70	$5.40	6.43	$7.00	$7.75	$8.67
Durable goods	2.76	2.96	3.60	5.45	6.51	7.03	7.82	8.70
Lumber and furniture	2.13	2.35	2.99	4.44	5.35	5.70	6.32	6.94
Stone, clay and glass products	2.62	2.79	3.53	5.02	6.19	6.82	7.32	7.93
Primary metal industries	3.08	3.23	3.81	5.73	7.29	7.98	8.68	9.70
Fabricated metal products	**2.51**	**2.67**	**3.35**	**4.84**	**5.52**	**6.16**	**6.62**	**7.01**
Machinery except electrical	**3.14**	**3.40**	**4.05**	**6.36**	**7.85**	**8.38**	**9.22**	**10.36**
Farm machinery	**3.36**	**3.65**	**4.27**	**6.80**	**8.16**	**8.73**	**9.61**	**10.97**
Constructed and related machinery	**2.89**	**3.09**	**4.02**	**6.54**	**8.30**	**8.85**	**9.83**	**10.92**
Electrical equipment and supplies	**2.43**	**2.64**	**3.26**	**4.59**	**5.44**	**6.01**	**6.75**	**7.47**
Transportation equipment	2.39	2.65	3.15	4.17	4.73	5.25	5.57	6.54
Other durable goods	2.39	2.74	3.26	4.18	4.69	5.04	5.57	6.13
Nondurable goods	2.82	3.10	3.82	5.32	6.32	6.96	7.63	8.63
Food and kindred products	2.90	3.21	4.04	5.75	6.95	7.70	8.44	9.55
Meat products	3.30	3.67	4.59	6.43	7.67	8.53	9.28	10.75
Grain-mill products	**2.89**	**3.12**	**3.80**	**5.77**	**6.93**	**7.52**	**8.31**	**9.03**
Apparel and other textile products	**1.60**	**1.87**	**2.26**	**2.85**	**3.36**	**3.70**	**4.02**	**4.53**
Paper and allied products	**b.**	**b.**	**2.94**	**4.55**	**5.28**	**5.75**	**6.35**	**6.88**
Printing and publishing	**2.88**	**3.19**	**3.86**	**5.03**	**5.87**	**6.41**	**6.93**	**7.82**
Newspapers	**3.08**	**3.44**	**4.15**	**5.03**	**5.44**	**5.88**	**6.29**	**6.76**
Chemicals and allied products	2.88	3.09	3.72	5.44	6.46	6.97	7.66	8.46
Rubber and plastics products, nec	b.	b.	4.17	5.37	5.22	6.89	7.63	8.58
Other nondurable goods	2.94	3.03	2.09	2.61	3.84	4.10	4.28	4.83

a. Estimates are based upon a sample of full or part-time production and related employees, who worked or received pay in the above industry groups during the week containing the 12th. Average hourly earnings reflect, in addition to changes in basic and incentive wage rates, such variable factors as overtime, late shift work, changes in output of workers paid on an incentive basis, and changing employment of workers, between relatively high-paid and low-paid work, and full-time status. Based on 1967 Standard Industrial Classification.

b. Included in "other durable goods."

Source: Research and Statistics Division, Job Service of Iowa.

Iowa keeps its work force working

(Averages for metropolitan areas)

TOTAL

Area	Labor Force (000)			Unemployed Rate			Non-Agriculture Employment (000)		
	1978	1979	1980	1978	1979	1980	1978	1979	1980
IOWA	1,419.0	1432.0	1449.0	**4.0**	**4.1**	**5.7**	1,362.0	1131.7	1101.4
Cedar Rapids	84.6	88.5	90.8	**3.4**	**3.7**	**6.5**	81.7	87.4	85.2
Des Moines	108.2	182.9	185.2	**3.9**	**4.1**	**5.5**	173.1	183.9	179.1
Dubuque	44.6	45.6	46.2	**5.4**	**5.6**	**8.5**	42.3	45.0	43.6
Sioux City	56.9	55.3	54.4	**5.9**	**7.3**	**6.3**	53.5	50.2	48.9
Waterloo—Cedar Falls	66.8	68.9	70.0	**4.8**	**4.7**	**7.0**	63.6	67.2	65.8

Area	Employment (000)			Manufacturing Average Weekly Hours			Average Weekly Earnings		
	1978	1979	1980	1978	1979	1980	1978	1979	1980
IOWA	249.8	259.8	243.5	**40.1**	**40.5**	**39.6**	$280.70	$313.88	$343.33
Cedar Rapids	28.9	30.4	28.3	**41.2**	**41.3**	**40.2**	287.16	317.18	346.52
Des Moines	25.6	27.1	24.7	**38.5**	**39.5**	**39.0**	281.82	317.58	348.66
Dubuque	16.9	16.6	15.4	**40.2**	**40.1**	**39.2**	338.08	365.71	395.53
Sioux City	9.8	9.6	8.9	**39.7**	**41.3**	**41.3**	249.71	288.69	329.16
Waterloo-Cedar Falls	22.2	23.2	22.7	**42.6**	**43.7**	**41.0**	372.75	420.83	452.64

Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May, 1981.

Iowa has modest turnover

(Annual rate per 100 workers in some typical industries)

Accessions

	1965	1967	1970	1973	1976	1977	1978	1979	1980
Manufacturing	4.0	4.4	3.6	4.7	3.6	3.4	3.5	3.4	2.6
Durable goods	3.9	4.1	2.8	4.4	3.4	3.0	3.1	2.9	2.0
Stone, clay and glass	3.8	5.3	3.5	4.5	3.8	4.3	3.8	3.8	2.9
Primary metals	3.7	4.0	2.6	4.9	3.1	3.6	3.5	3.1	2.4
Fabricated metals	4.1	4.7	4.6	6.2	4.4	4.2	3.6	3.8	3.6
Machinery except electrical	3.8	2.7	2.5	3.3	2.5	2.3	2.4	2.5	1.6
Electrical equipment	3.8	4.3	2.4	4.7	3.5	2.2	2.4	2.6	1.2
Other durable goods	3.4	5.8	2.6	5.1	4.4	4.5	4.4	3.3	2.2
Nondurable goods	4.0	4.9	4.7	5.1	4.1	3.9	4.1	4.2	3.4
Food and kindred products	4.2	5.0	5.8	6.1	4.3	3.9	4.4	5.0	3.8
Meat products	a.	a.	a.	8.4	5.4	4.7	5.5	6.5	4.8
Printing and publishing	3.4	3.6	2.7	3.0	3.3	3.8	3.9	3.5	2.4
Rubber, plastics and leather	b.	b.	3.7	4.4	4.1	4.2	3.9	2.7	4.4
Other nondurable goods	3.9	6.2	3.9	4.3	4.0	3.6	3.6	4.0	2.9

Separations

	1965	1967	1970	1973	1976	1977	1978	1979	1980
Manufacturing	3.6	4.5	4.4	4.1	3.3	3.2	3.3	3.9	4.7
Durable goods	3.1	4.2	4.0	3.6	3.0	2.8	3.0	3.3	5.2
Stone, clay and glass	4.7	5.0	4.2	4.2	3.4	4.6	3.9	5.4	4.4
Primary metals	3.0	4.3	3.4	4.2	2.7	2.8	3.0	3.7	3.0
Fabricated metals	3.1	4.6	5.2	5.5	3.4	3.4	3.9	4.4	4.6
Machinery except electrical	2.9	3.3	3.5	2.6	2.3	2.0	2.3	2.0	6.7
Electrical equipment	2.4	4.5	3.9	3.5	3.8	2.2	2.5	1.9	2.7
Other durable goods	3.0	4.3	4.5	4.2	3.8	4.2	3.9	5.9	5.2
Nondurable goods	4.2	4.9	4.9	4.9	3.7	3.9	3.4	4.9	4.0
Food and kindred products	4.6	5.0	5.5	6.0	3.9	4.1	4.2	5.7	3.9
Meat products	a.	a.	a.	8.2	4.6	5.2	5.2	8.2	5.0
Printing and publishing	3.1	3.4	3.2	2.8	3.0	3.4	3.3	3.5	2.7
Rubber, plastics and leather	b.	b.	4.5	4.3	3.5	4.0	3.6	4.1	7.5
Other nondurable goods	4.0	5.8	4.6	4.1	3.8	3.5	3.7	4.5	3.9

a Included in "Food and Kindred Products" prior to 1971.
b Included in "Other Nondurable Goods" prior to 1969.
Source: Job Service of Iowa, Research and Statistics Division.

IOWA

A tradition of excellence

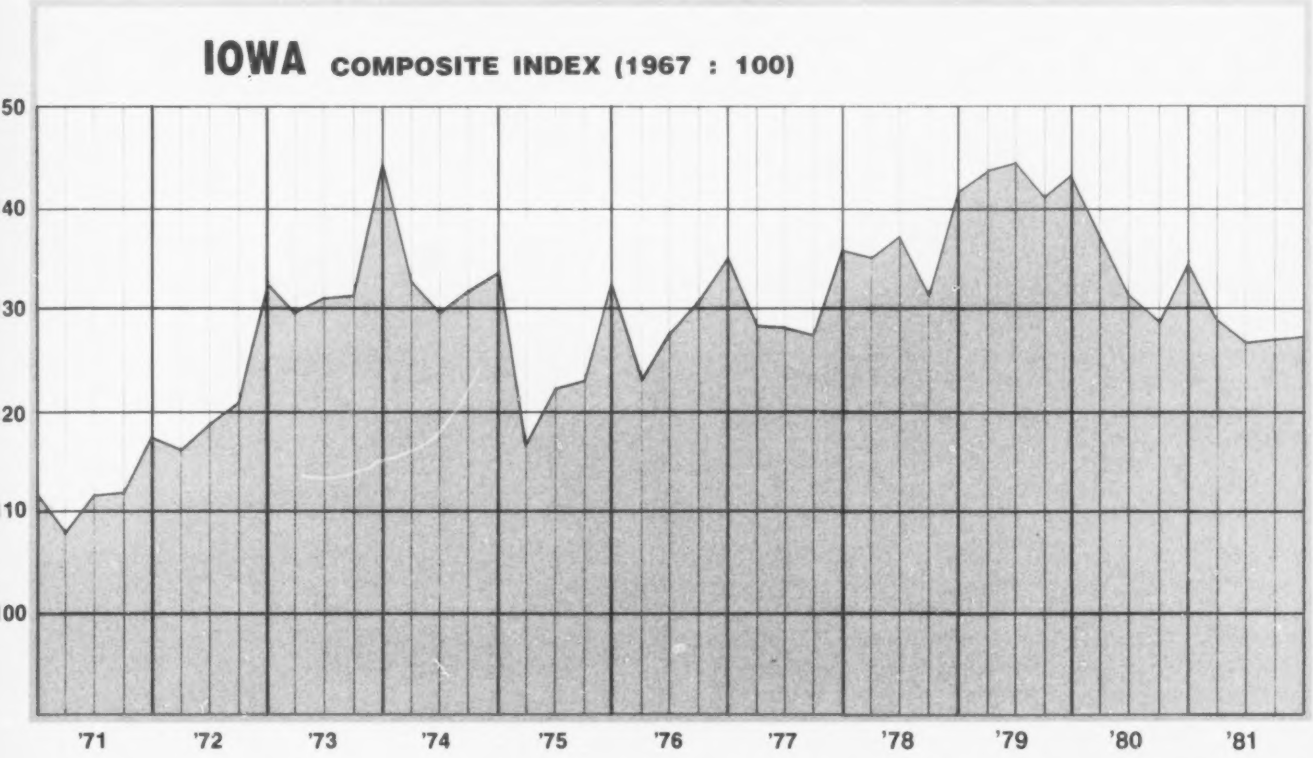
ECONOMIC INDICATORS

Iowa farm-industry economy reflects long-term stability

Iowa is usually affected less than other states during a recessionary period. This basic stability is attributed by some observers to the fact that the agricultural economy provides a solid base. Even though farm prices may undergo downward trends, the worldwide requirement for Iowa's agricultural products is relatively constant (with long-term increased projections). Iowa farmers have demonstrated their ability to weather the periodic ups and downs of commodity prices.

Adding to the stability is an influx of "small industry." In 1981, more than 89% of Iowa's 3,800 industrial plants employed fewer than 100 people. The plants are scattered throughout Iowa, drawing labor from small towns and farms. Many Iowa farmers hold second jobs in "the plant."

These two factors combined give the Iowa economy long-term stability.



Iowa composite economic index, 1970-1981

	1970	1974	1975	1976	1977	1978	1979	1980	1981
Jan.-Mar.	108.6	132.1	116.3	122.2	128.6	135.1	142.2	137.9	129.0
Apr.-June	108.2	129.3	121.7	126.4	128.5	137.1	143.4	131.4	127.0
July-Sept.	109.1	131.8	122.7	129.2	127.4	131.9	140.9	129.1	127.1
Oct.-Dec.	111.9	133.1	131.4	132.6	136.7	142.1	141.6	133.0	

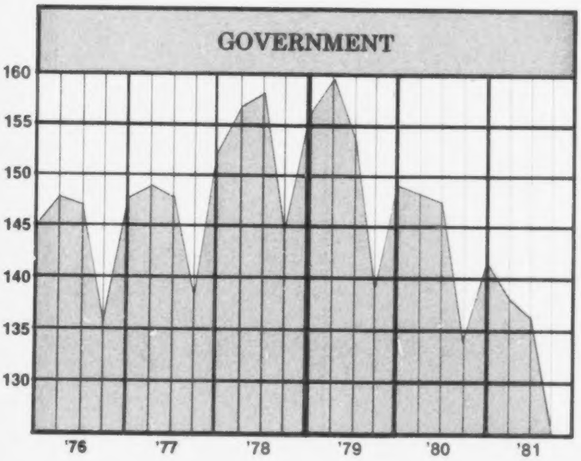
The Iowa Economic Index reflects the change in economic activity by sector and in aggregate using 1967 as the base year. Current data is reported in The Digest publication, available upon request from the Iowa Development Commission.
Source: Research Division, Iowa Development Commission.

Iowa economic index by sector

GOVERNMENT

(INCLUDES EMPLOY & EXPENDITURE INDEX) (1967 = 100)

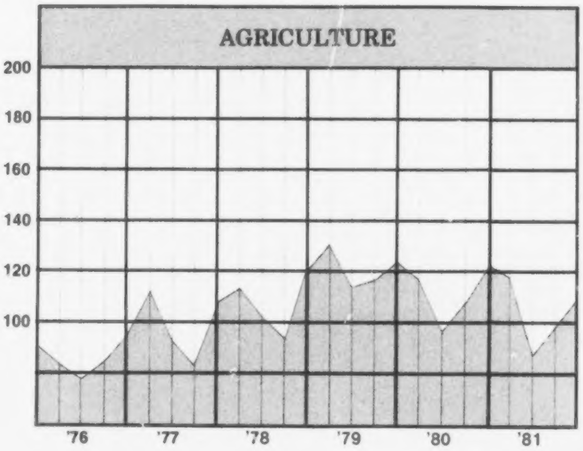
	1976	1977	1978	1979	1980	1981
Jan.-Mar.	147.9	149.0	157.2	160.7	148.4	138.7
Apr.-June	147.6	146.3	158.9	153.1	147.5	136.7
July-Sept.	136.6	137.9	145.0	138.6	133.4	126.1
Oct.-Dec.	148.7	151.8	156.4	149.6	140.9	



AGRICULTURE

(INCLUDES CASH RECEIPTS FROM MKTGS & PRICES PAID INDEX) (1967 = 100)

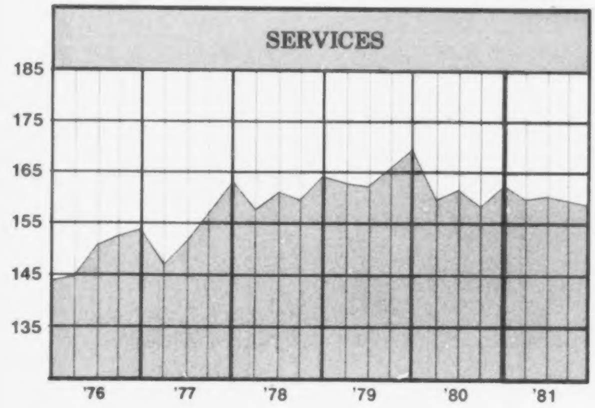
	1976	1977	1978	1979	1980	1981
Jan.-Mar.	101.6	115.1	112.7	129.8	114.4	119.6
Apr.-June	99.1	92.3	101.2	116.1	97.6	92.5
July-Sept.	108.0	80.8	94.7	117.9	105.4	99.5
Oct.-Dec.	115.5	114.8	122.6	120.5	117.8	



SERVICES

(INCLUDES EMPLOY & DOLLAR VOLUME INDEX) (1967 = 100)

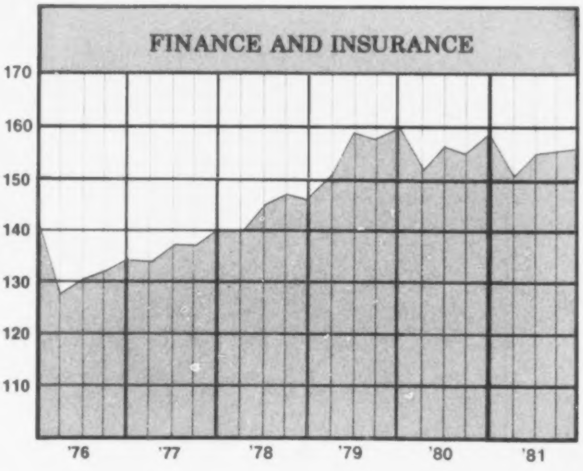
	1976	1977	1978	1979	1980	1981
Jan.-Mar.	144.8	150.8	158.5	164.5	160.6	160.8
Apr.-June	149.0	153.8	162.1	163.7	161.7	161.1
July-Sept.	150.8	156.4	160.8	166.3	158.8	160.0
Oct.-Dec.	151.9	158.4	165.2	170.0	160.3	



FINANCE & INSURANCE[1]

(INCLUDES EMPLOY., BANK DEBITS & INSUR. SALES) (1967 = 100)

	1976[1]	1977[1]	1978	1979	1980	1981
Jan.-Mar.	128.5	134.4	140.4	151.4	151.5	151.5
Apr.-June	131.1	138.7	145.8	159.7	155.7	155.6
July-Sept.	132.5	138.7	148.5	159.4	155.2	155.7
Oct.-Dec.	134.5	140.5	148.1	160.0	156.8	



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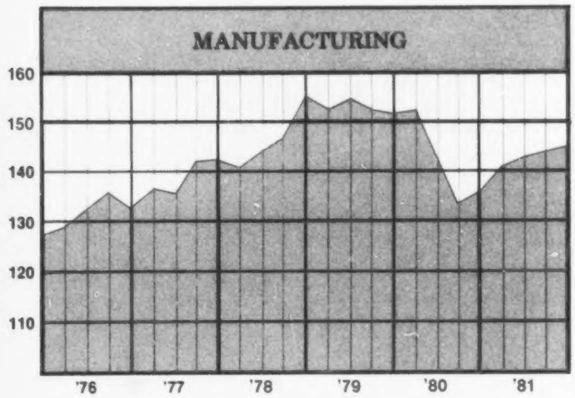
[1] In 1976, a portion of the input data to the Finance & Insurance Sector was discontinued. New data was obtained, however, historic data prior to 1976 was unavailable.

Iowa economic index by sector (continued)

MANUFACTURING

(INCLUDES EMPLOY. & PRODUCTIVITY INDEX) (1967 = 100)

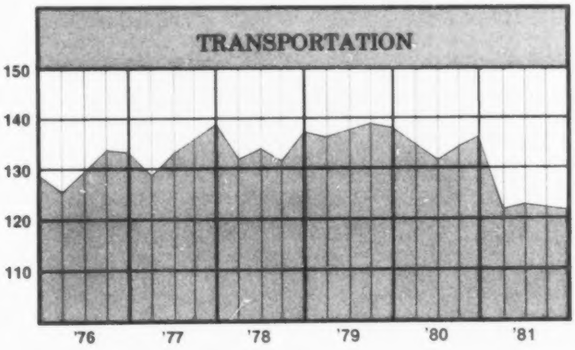
	1976	1977	1978	1979	1980	1981
Jan.-Mar.	128.0	134.8	140.0	152.8	151.7	141.6
Apr.-June	131.0	137.5	143.1	155.8	142.3	143.2
July-Sept.	134.4	140.3	146.8	154.9	133.8	144.2
Oct.-Dec.	131.8	140.8	153.0	151.4	135.9	



TRANS., COMM., UTILITIES

(INCLUDES WAGES & EMPLOY.) (1967 = 100)

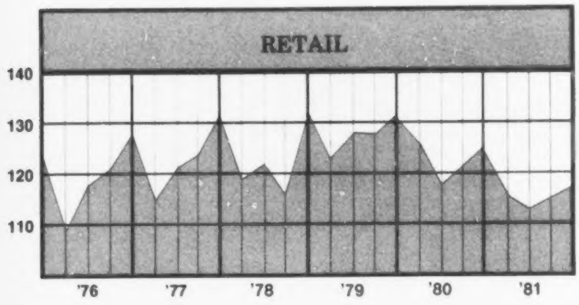
	1976	1977	1978	1979	1980	1981
Jan.-Mar.	126.0	129.1	131.9	135.7	135.1	121.8
Apr.-June	130.0	132.4	133.1	137.3	133.1	122.9
July-Sept.	134.7	135.5	131.4	138.4	133.8	122.5
Oct.-Dec.	133.7	137.0	135.7	137.4	134.7	



RETAIL TRADE

(INCLUDES EMPLOY. & TAXABLE RETAIL SALES) (1967 = 100)

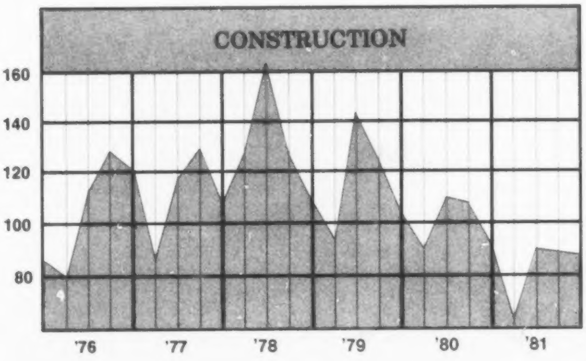
	1976	1977	1978	1979	1980	1981
Jan.-Mar.	109.5	113.9	119.6	121.1	126.5	117.2
Apr.-June	118.2	121.4	121.8	129.7	117.7	113.9
July-Sept.	120.1	124.2	116.3	129.4	120.8	115.0
Oct.-Dec.	127.8	130.6	131.1	131.5	124.8	

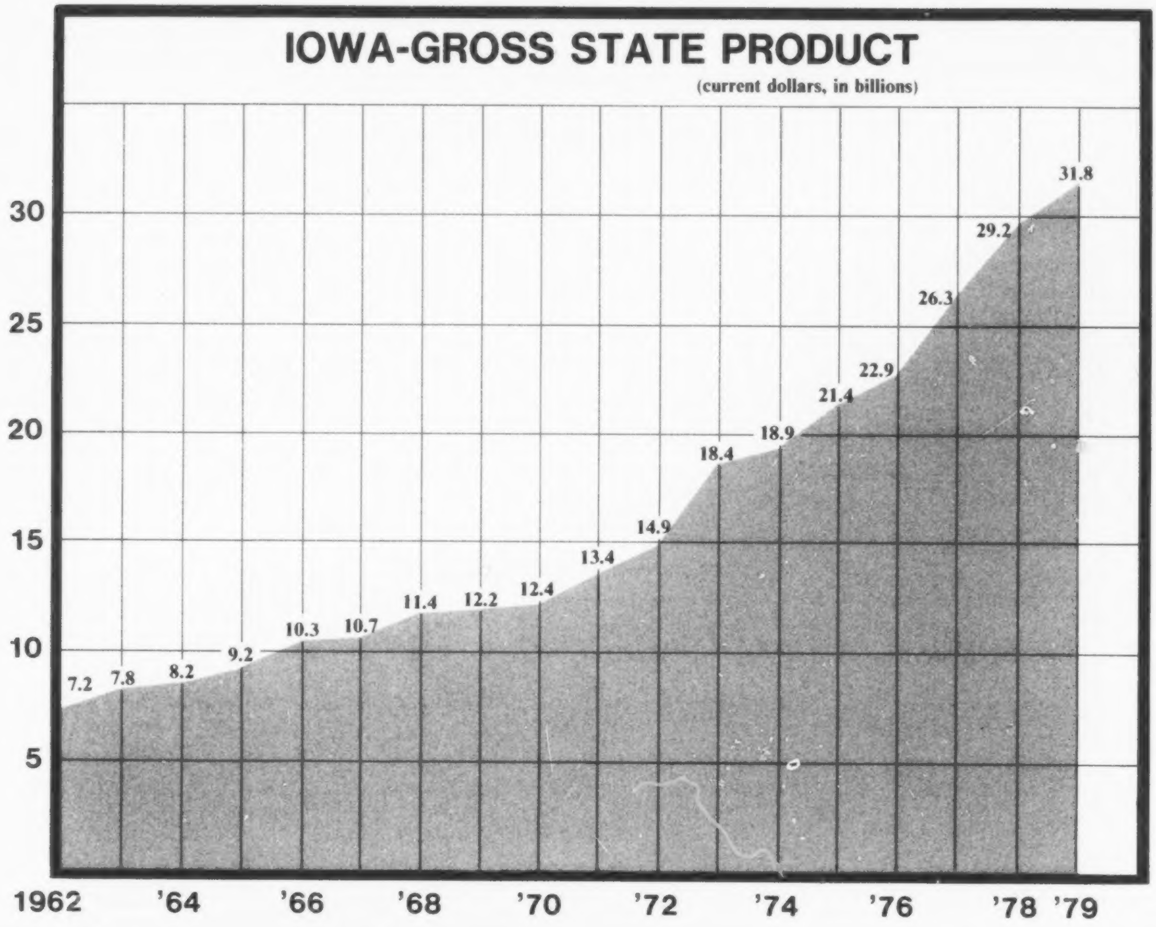


CONSTRUCTION

(INCLUDES EMPLOY. & VALUES OF CONSTRUCTION) (1967 = 100)

	1976	1977	1978	1979	1980	1981
Jan.-Mar.	79.2	84.9	127.3	88.8	85.9	65.7
Apr.-June	111.9	118.0	163.8	145.3	108.1	91.1
July-Sept.	130.8	127.7	127.9	128.1	107.3	90.4
Oct.-Dec.	122.4	109.1	108.2	105.7	93.5	





gross state product, Iowa (current dollars, in millions)

G. S. P. is an estimate of the current market value of all final goods and services produced by the Iowa economy by a methodology similar to that used in calculating the U. S. Gross National Product.

	1974	1975	1976	1977	1978	1979
Gross State Product	$18,817.8	$21,429.2	$22,862.0	$26,267.7	$29,201.9	$31,810.6
Farm	2,842.6	3,247.7	2,635.3	3,078.6	3,963.3	3,646.9
Government	1,683.4	1,942.3	2,185.4	2,364.5	2,515.9	2,798.6
Private, Non-Farm	14,291.8	16,239.2	18,041.3	20,824.6	22,722.7	
Mining	109.5	107.6	74.8	82.1	89.4	122.0
Construction	838.1	932.8	1,094.0	1,219.1	1,378.5	1,551.0
Manufacturing	4,948.4	5,666.9	6,162.5	7,590.1	8,002.7	9,214.7
Trade	3,091.6	3,568.6	3,997.5	4,280.9	4,588.5	5,040.5
Trans., Comm., Utilities	1,448.3	1,580.7	1,733.2	1,956.4	2,178.0	2,317.7
Service	1,612.9	1,863.7	2,116.7	2,366.4	2,704.5	2,925.1
Fin., Ins., Real Estate	2,189.7	2,475.2	2,817.2	3,277.5	3,640.2	4,127.1
Other	53.3	43.5	45.4	52.1	60.9	67.0
U.S. GNP (billions)	1,412.9	1,528.8	1,702.2	1,899.5	2,127.6	2,369.0
Iowa as a percent of U.S. GNP	1.33%	1.40%	1.34%	1.38%	1.37%	1.34%

Source: Research Division, Iowa Development Commission.

total iowa energy consumption, 1974-1980

CONSUMPTION BY YEAR

Energy Type	1974	1975	1976	1977	1978	1979	1980[r]
Motor Gas (million gallons)	1,658.06	1,650.33	1,727.89	1,750.44	1,808.08	1,724.30	1,529.17
Distillate (million gallons)	737.43	776.69	852.31	856.40	879.14	878.07	660.31
Propane (million gallons)	465.33	488.46	693.69	661.89	567.55	511.24	367.63
Residual (million gallons)	26.80	17.30	25.20	17.42	13.82	9.19	4.64
Aviation Fuel (million gallons)	54.57	77.43	84.63	90.21	88.61	74.78	80.03
Natural Gas (billion cf)	383.62	357.07	333.86	309.35	249.90	261.97	245.13
Electricity (1000 kwh)	19,315,717	20,430,480	21,560,542	23,453,898	24,501,565	25,484,241	25,560,000.00
Coal (Industrial Use) (1000 Short Tons)	1,077.00[e]	1,150.00[e]	1,212.00	1,270.00	1,329.00	1,765.00	1,250.00
Total Trillion BTU's Consumption (Annual)	852.66	837.05	859.51	844.55	788.94	800.03	741.00

e = Estimate
r = Revised
Source: Iowa Energy Policy Council.

Iowa's primary energy use*

PERCENTAGE OF TOTAL BY SOURCE FROM 1972-1980

Source	1972	1973	1974	1975	1976	1977	1978	1979[r]	1980[e]
Nat. Gas	39.2%	40.6%	40.0%	36.7%	32.5%	29.1%	25.0%	24.4%	24.8%
Gasoline	22.8%	21.8%	20.9%	20.6%	20.7%	20.8%	22.1%	19.7%	18.3%
Distillate	11.1%	10.7%	10.4%	10.9%	11.5%	11.5%	10.9%	11.2%	9.3%
LP	4.4%	4.2%	4.6%	4.8%	6.2%	6.2%	5.3%	4.4%	4.1%
Aviation & Residual	1.1%	1.3%	1.1%	1.3%	1.4%	1.4%	1.3%	1.1%	1.0%
Coal & Coke	18.4%	17.1%	16.5%	16.7%	18.1%	18.1%	25.7%	29.7%	33.2%
Nuclear	N/A	1.8%	4.1%	6.0%	6.8%	6.8%	5.3%	7.0%	6.4%
Hydropower	2.4%	2.6%	2.6%	3.1%	2.9%	2.9%	3.9%	2.5%	2.9%

r - revised
e - Estimate for 4th quarter 1980
*Compiled from EIA form 25 (actual deliveries to Iowa) and Iowa Commerce Commission data.

percent of generation by energy source, 1979

	Iowa	U.S.
Coal	77	48
Oil	2	14
Gas	3	15
Nuclear	14	11
Hydro	4	12

Source: Edison Electric Institute, Statistical Year Book, 1979 (Tables 13 and 14).

energy use on Iowa farms

AMOUNT AND TYPE OF ENERGY CONSUMED IN 1979 AND 1980 BY IOWA FARMERS

Energy	Year	Diesel Million Gal.	Gasoline Million Gal.	L.P. Gas Million Gal.	Fuel Oil Million Gal.	Nat. Gas Billion Cu. Ft.	Electricity Million Kilowatts	Coal 000 Tons	Wood 000 Cords
TOTAL ENERGY USED	1979	197.2	354.0	255.9	55.6	13.90	2880.8	12.2	135.9
	1980	189.0	332.8	230.8	52.0	14.90	2805.2	11.0	155.8
% Previous Yr.		96	94	90	94	107	97.4	90	115
USAGE:									
Crop Production	1979	171.4	139.9	127.7	.2	1.22	412.2	—	—
	1980	166.2	128.8	105.0	.4	1.55	387.1	—	.5
Livestock Production[1]	1979	21.6	56.2	42.0	3.2	.84	948.3	—	6.7
	1980	18.1	42.6	45.1	2.3	1.00	892.1	—	5.1
General Farm Use[2]	1979	3.6	70.9	1.0	1.0	.02	213.0	.3	2.5
	1980	3.2	71.9	3.2	.9	.05	216.0	.2	2.3
Non-Farm Use[3]	1979	.6	87.0	85.2	51.2	11.82	1307.3	11.9	126.7
	1980	1.5	89.5	77.5	48.4	12.30	1310.0	10.8	147.9
Total Gen. & Non-Farm Use	1979	4.2	157.9	86.2	52.2	11.84	1520.3	12.2	129.2
	1980	4.7	161.4	80.7	49.3	12.35	1526.0	11.0	150.2

[1] Includes livestock, dairy, and poultry production.

[2] Includes energy uses in agriculture production but cannot be identified between crops and livestock uses.

[3] Includes fuel and electricity used in non-agricultural production uses, such as farm home, pleasure, and non-farm business.

Source: Iowa Energy Policy Council.

Iowa ranks 25th in industrial electricity prices, 1979

Rank	State	¢/kWh	Rank	State	¢/kWh
1	Rhode Island (2)	4.68	26	Kansas (24)	2.90
2	Hawaii (4)	4.55	27	Maine (38)	2.90
3	Massachusetts (1)	4.51	28	Vermont (19)	2.87
4	New Jersey (3)	4.21	29	Nevada (31)	2.86
5	Connecticut (5)	4.12	30	Wisconsin (28)	2.85
6	New Hampshire (8)	4.02	31	Alabama (34)	2.84
7	New Mexico (21)	3.93	32	Utah (35)	2.78
8	Delaware (7)	3.72	33	Tennessee (43)	2.77
9	Michigan (10)	3.54	34	Texas (37)	2.73
10	California (9)	3.51	35	South Dakota (32)	2.65
11	Pennsylvania (11)	3.34	36	Ohio (40)	2.63
12	New York (13)	3.34	37	North Carolina (30)	2.63
13	Alaska (6)	3.26	38	Colorado (41)	2.57
14	Florida (18)	3.24	39	South Carolina (36)	2.55
15	Virginia (17)	3.22	40	Arkansas (29)	2.51
16	Arizona (15)	3.22	41	West Virginia (33)	2.43
17	Maryland & D.C. (16)	3.19	42	Oklahoma (39)	2.42
18	Mississippi (20)	3.16	43	Kentucky (44)	2.42
19	Indiana (27)	3.11	44	Nebraska (42)	2.27
20	Illinois (26)	3.10	45	Louisiana (45)	2.16
21	Missouri (25)	3.09	46	Wyoming (46)	1.56
22	Minnesota (14)	3.05	47	Idaho (47)	1.42
23	Georgia (23)	3.02	48	Oregon (48)	1.20
24	North Dakota (12)	3.01	49	Montana (49)	0.80
25	IOWA (22)	3.00	50	Washington (50)	0.50

( ) DENOTES 1977 RANK

U.S. Average: 2.85¢ per kWh

Source: State Electricity Profiles, 3rd Edition, Electronics Consumers Resource Council, Page 205.

average electricity prices, Iowa vs. U.S., 1979

	Iowa		U.S.		Iowa/U.S.
	Price ¢/kwh (1979)	Percent Change (1972-79)	Price (1979)	Percent Change (1972-79)	Price Ratio (1979)
Residential	4.55	70	4.33	88	1.05
Commercial	4.61	73	4.40	98	1.05
Industrial	3.00	121	2.85	161	1.05

Source: Edison Electric Institute, Statistical Year Book, 1972, 1979 (Tables 22 and 36).

typical residential electric bills, 1980

Communities of 2,500 Population and More

	Lighting, Appliances, Refrigeration, Cooking and Water Heating		
	500 KWH	750 KWH	1,000 KWH
Adel[1]	29.16	35.64	47.08
Adel[2]	29.58	35.64	47.92
Albia[1]	23.03	32.63	39.30
Albia[2]	23.03	32.63	40.30
• Algona	**29.35**	**31.36**	**40.26**
Altoona[1]	**29.16**	**35.64**	**47.08**
Altoona[2]	**29.58**	**35.64**	**47.92**
• Ames[1]	**34.11**	**47.51**	**60.91**
• Ames[2]	39.31	56.46	73.61
Anamosa[1]	31.99	44.88	57.03
Anamosa[2]	31.99	45.63	59.03
Ankeny[1]	29.16	35.64	47.08
Ankeny[2]	**29.58**	**35.64**	**47.92**
• Atlantic	**26.29**	**33.41**	**44.39**
Audubon	**31.17**	**39.15**	**52.74**
Belle Plaine[1]	**31.99**	**44.88**	**57.03**
Belle Plaine[2]	31.99	45.63	59.03
Bettendorf[1]	26.30	28.55	38.80
Bettendorf[2]	26.30	28.55	40.50
• Bloomfield	28.47	40.15	50.85
Boone[1]	31.99	44.88	57.03
Boone[2]	**31.99**	**45.63**	**59.03**
Burlington[1]	**25.19**	**32.29**	**43.43**
Burlington[2]	**25.79**	**32.69**	**44.33**
Camanche[1]	**26.30**	**28.55**	**38.80**
Camanche[2]	26.30	28.55	40.50
• Carlisle	26.20	37.50	48.00
Carroll	31.17	39.15	52.74
• Carter Lake[1]	20.46	27.27	34.09
• Carter Lake[2]	**23.15**	**32.96**	**42.78**
• Cedar Falls[1]	**28.73**	**41.23**	**51.53**
• Cedar Falls[2]	**28.73**	**41.23**	**53.73**
Cedar Rapids[1]	**31.99**	**44.88**	**57.03**
Cedar Rapids[2]	31.99	45.63	59.03
Centerville[1]	25.19	32.29	43.43
Centerville[2]	25.79	32.69	44.33
Chariton[1]	25.19	32.29	43.43
Chariton[2]	25.79	32.69	44.33
Charles City	**31.17**	**39.15**	**52.74**
Cherokee	**31.17**	**39.15**	**52.74**
Clarinda[1]	**29.16**	**35.64**	**47.08**
Clarinda[2]	**29.58**	**35.64**	**47.92**
Clarion	31.17	39.15	52.74
Clear Lake	32.82	43.24	57.58
Clinton	29.72	39.29	52.39
Clive[1]	29.16	35.64	47.08
Clive[2]	**29.58**	**35.64**	**47.92**
Coralville[1]	**26.30**	**28.55**	**38.80**
Coralville[2]	**26.30**	**28.55**	**40.50**
Council Bluffs[1]	**29.16**	**35.64**	**47.08**
Council Bluffs[2]	29.58	35.64	47.92
Cresco	32.82	43.24	57.58
Creston[1]	25.19	32.29	43.43
Creston[2]	25.79	32.69	44.33
Davenport[1]	26.30	28.55	38.80
Davenport[2]	26.30	28.55	40.50
De Witt[2]	**31.99**	**45.63**	**59.03**
Decorah	**32.82**	**43.24**	**57.58**
• Denison	**18.70**	**19.45**	**24.30**

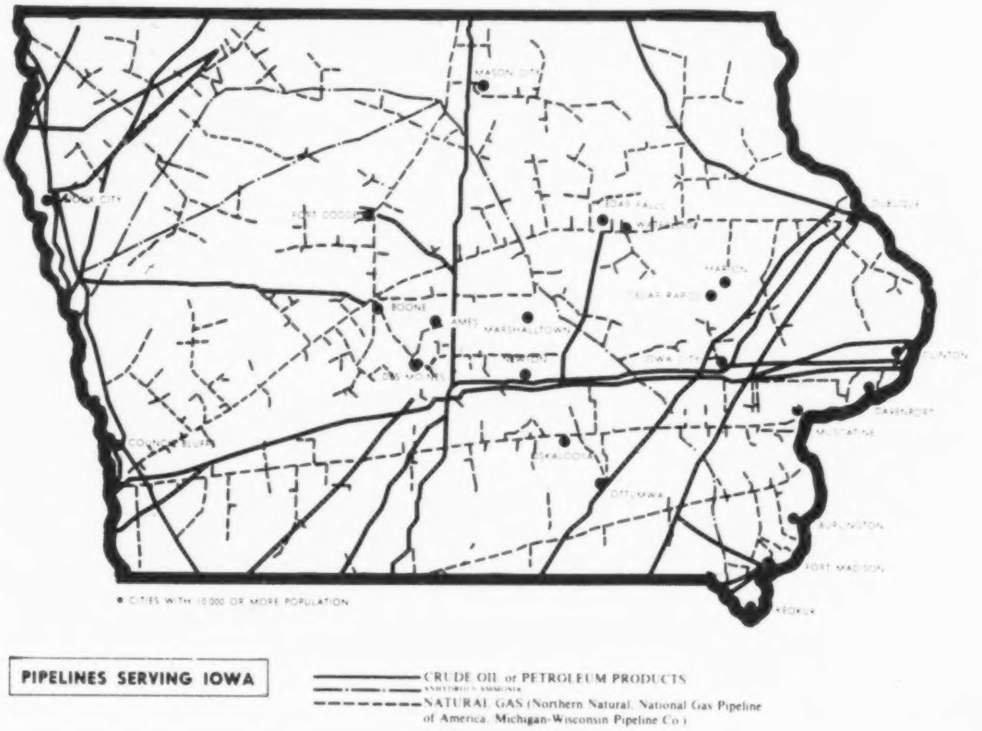
[1] = Winter. [2] = Summer. • = Served by Public Utility.

	Lighting, Appliances, Refrigeration, Cooking and Water Heating		
	500 KWH	750 KWH	1,000 KWH
Des Moines[1]	29.45	36.00	47.55
Des Moines[2]	29.87	36.00	48.40
Dubuque	29.72	39.29	52.39
Dyersville	32.82	43.24	57.58
Eagle Grove	**31.17**	**39.15**	**52.74**
Eldora[1]	**31.99**	**44.88**	**57.03**
Eldora[2]	**31.99**	**45.63**	**59.03**
• Eldridge[1]	**24.37**	**35.18**	**45.97**
• Eldridge[2]	25.23	36.81	48.38
Emmetsburg	31.17	39.15	52.74
• Estherville	27.05	37.19	47.34
Evansdale	31.17	39.15	52.74
Fairfield[1]	**31.99**	**44.88**	**57.03**
Fairfield[2]	**31.99**	**45.63**	**59.03**
• Forest City	**22.00**	**30.00**	**37.50**
Fort Dodge[1]	**26.30**	**28.55**	**38.80**
Fort Dodge[2]	26.30	28.55	40.50
Fort Madison[1]	22.59	27.57	37.04
Fort Madison[2]	22.59	28.08	38.40
Garner[1]	31.99	44.88	57.03
Garner[2]	31.99	45.63	59.03
Glenwood[1]	**29.16**	**35.64**	**47.08**
Glenwood[2]	**29.58**	**35.64**	**47.92**
Grinnell[1]	**25.19**	**32.29**	**43.43**
Grinnell[2]	**25.79**	**32.69**	**44.33**
• Grundy Center	32.00	44.00	56.00
Hampton	31.17	39.15	52.74
• Harlan	18.55	25.55	32.55
• Hawarden	22.00	28.25	34.50
Hiawatha[1]	**31.99**	**44.88**	**57.03**
Hiawatha[2]	**31.99**	**45.63**	**59.03**
Humboldt	**31.17**	**39.15**	**52.74**
• Independence	**31.80**	**45.45**	**59.10**
• Indianola	24.99	35.38	45.77
Iowa City[1]	26.30	28.55	38.80
Iowa City[2]	26.30	28.55	40.50
Iowa Falls[1]	31.99	44.88	57.03
Iowa Falls[2]	31.99	45.63	59.03
Jefferson[1]	**31.99**	**44.88**	**57.03**
Jefferson[2]	**31.99**	**45.63**	**59.03**
Keokuk[1]	**22.59**	**27.57**	**37.04**
Keokuk[2]	**22.59**	**28.08**	**38.40**
Knoxville[1]	29.16	35.64	47.08
Knoxville[2]	29.58	35.64	47.92
• Lamoni	32.25	44.63	57.00
Le Claire[1]	26.30	28.55	38.80
Le Claire[2]	**26.30**	**28.55**	**40.50**
Le Mars	**31.17**	**39.15**	**52.74**
Manchester[1]	**31.99**	**44.88**	**57.03**
Manchester[2]	**31.99**	**45.63**	**59.03**
Maquoketa[1]	31.99	44.88	57.03
Maquoketa[2]	31.99	45.63	59.03
• Maquoketa[1]	26.67	37.54	47.72
• Maquoketa[2]	26.67	38.29	49.72
Marion[1]	31.99	44.88	57.03
Marion[2]	31.99	45.63	59.03
Marshalltown[1]	**31.99**	**44.88**	**57.03**
Marshalltown[2]	**31.99**	**45.63**	**59.03**
Mason City	**29.72**	**40.76**	**53.86**
Missouri Valley[1]	**29.16**	**35.64**	**47.08**
Missouri Valley[2]	29.58	35.64	47.92

	Lighting, Appliances, Refrigeration, Cooking and Water Heating		
	500 KWH	750 KWH	1,000 KWH
Monticello[1]	31.99	44.88	57.03
Monticello[2]	31.99	45.63	59.03
• Mount Pleasant	31.95	43.93	54.72
Mount Vernon[1]	31.99	44.88	57.03
Mount Vernon[2]	31.99	45.63	59.03
• Muscatine	**19.37**	**24.20**	**31.68**
Nevada[1]	**31.99**	**44.88**	**57.03**
Nevada[2]	**31.99**	**45.63**	**59.03**
• New Hampton	**27.26**	**38.78**	**50.31**
Newton[1]	25.19	32.29	43.43
Newton[2]	25.79	32.69	44.33
Oelwein	32.82	43.24	57.58
• Onawa[1]	21.00	29.25	37.50
• Onawa[2]	**21.00**	**29.25**	**37.50**
• Orange City	**16.00**	**21.50**	**26.50**
• Osage	**24.10**	**34.90**	**44.70**
Osceola[1]	**25.19**	**32.29**	**43.43**
Osceola[2]	25.79	32.69	44.33
Oskaloosa[1]	29.16	35.64	47.08
Oskaloosa[2]	29.58	35.64	47.92
Ottumwa[1]	25.19	32.29	43.43
Ottumwa[2]	25.79	32.69	44.33
• Pella	**23.07**	**33.12**	**43.11**
Perry[1]	**31.99**	**44.88**	**57.03**
Perry[2]	**31.99**	**45.63**	**59.03**
Red Oak[1]	**29.16**	**35.64**	**47.08**
Red Oak[2]	29.58	35.64	47.92
• Rock Rapids	19.13	26.75	33.50
Sac City	31.17	39.15	52.74
Sheldon	31.17	39.15	52.74
Shenandoah[1]	**29.16**	**35.64**	**47.08**
Shenandoah[2]	**29.58**	**35.64**	**47.92**
• Sibley	**20.58**	**29.05**	**37.11**
• Sioux Center	**19.94**	**27.99**	**36.04**
Sioux City	31.79	39.93	53.79
• Spencer	18.00	25.50	33.00
Spirit Lake[1]	31.99	44.88	57.03
Spirit Lake[2]	31.99	45.63	59.03
Storm Lake	31.17	39.15	52.74
• Story City[1]	**31.08**	**41.31**	**51.53**
• Story City[2]	**31.08**	**42.79**	**54.48**
Tama[1]	**31.99**	**44.88**	**57.03**
Tama[2]	**31.99**	**45.63**	**59.03**
• Tipton	23.13	31.75	41.06
Urbandale[1]	29.16	35.64	47.08
Urbandale[2]	29.58	35.64	47.92
• Vinton	27.93	39.58	51.20
Washington[1]	**25.19**	**32.29**	**43.43**
Washington[2]	**25.79**	**32.69**	**44.33**
Waterloo	**31.17**	**39.15**	**52.74**
Waukon	**32.82**	**43.24**	**57.58**
• Waverly[1]	22.00	31.38	40.75
• Waverly[2]	22.00	31.38	40.75
• Webster City	24.13	34.23	44.32
West Burlington[1]	25.19	32.29	43.43
West Burlington[2]	25.79	32.69	44.33
West Des Moines[1]	29.16	35.64	47.08
West Des Moines[2]	**29.58**	**35.64**	**47.92**
West Union	**32.82**	**43.24**	**57.58**
Windsor Heights[1]	**29.16**	**35.64**	**47.08**
Windsor Heights[2]	**29.58**	**35.64**	**47.92**
• Winterset	26.00	37.75	49.50

Source: Typical Electric Bills, January 1, 1980, Energy Information Administration, U.S. Department of Energy.

no Iowa areas isolated from energy
served by three strong interstate gas pipeline systems


MASON CITY
SIOUX CITY
FORT DODGE
CEDAR FALLS
WATERLOO
DUBUQUE
MARION
CEDAR RAPIDS
BOONE
AMES
MARSHALLTOWN
NEWTON
DES MOINES
IOWA CITY
CLINTON
DAVENPORT
MUSCATINE
COUNCIL BLUFFS
OSKALOOSA
OTTUMWA
BURLINGTON
FORT MADISON
KEOKUK
● CITIES WITH 10,000 OR MORE POPULATION
PIPELINES SERVING IOWA
CRUDE OIL or PETROLEUM PRODUCTS
ANHYDROUS AMMONIA
NATURAL GAS (Northern Natural, National Gas Pipeline of America, Michigan-Wisconsin Pipeline Co.)

	Residential			Commercial			Industrial			Total		
	1967	1979	1980	1967	1979	1980	1967	1979	1980	1967	1979	1980
Customers (000)	520	662.5	664.5	61	78	78.6	2	1.9	1.9	582	742.7	745.4
Sales (Trillion BTU)	83.8	96.6	84.8	46.4	57.4	51.4	112.2	112.3	118.8	252.3	267.2	255.8
Revenues ($000,000)	76	260.9	271.2	30	138.3	146.3	38	230.4	298.5	147	631.8	718.4
Average Monthly Revenues Per Customer	$12.18	$32.82	$34.01	$40.98	$147.74	$155.11	$1,583.33	$10,106.36	$13,092.1	—	—	—

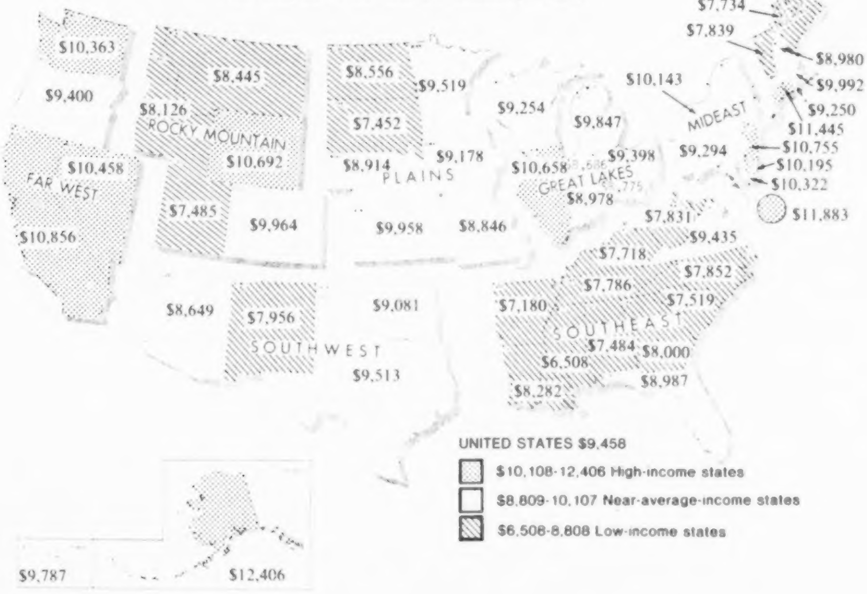
Source: American Gas Association, Gas Facts.

electric utility industry — Iowa

	1965		1970		1975		1977		1978		1979		1980	
	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)
Residential	$116,028	4,291	$157,430	6,262	$268,653	8,226	$360,579	8,993	$393,914	9,479	$439,665	9,660	$481,302	9,913
Commercial/Industrial	107,157	3,955	147,654	8,553	288,457	11,282	403,663	13,103	447,326	13,774	521,571	14,341	268,777/294,644	5,375/9,340
Street and Highway Lighting	3,798	129	5,887	183	8,542	208	10,353	224	11,081	224	12,392	225	13,489	214
Other Public	2,898	163	4,128	232	7,411	301	10,839	334	11,583	344	784	36	14,087	360
Interdepartmental	269	21	428	26	502	31	721	34	734	33			790	36
Railroad and Railways							3	—	3	—	2	—	—	—
IOWA total													$1,073,089	24,938

Source: Edison Electric Institute, Washington, D.C.

Per Capita Personal Income, 1980


$10,363
$9,400
$10,458
FAR WEST
$10,856
$8,445
$8,126
ROCKY MOUNTAIN
$10,692
$7,485
$9,964
$8,556
$9,519
$7,452
$8,914
$9,178
PLAINS
$9,958
$8,846
$8,649
$7,956
SOUTHWEST
$9,081
$9,513
$9,254
$9,847
$10,658
GREAT LAKES
$9,398
$8,978
$10,143
MIDEAST
$9,294
$7,734
$7,839
$8,980
$9,992
$9,250
$11,445
$10,755
$10,195
$10,322
$11,883
$7,831
$9,435
$7,718
$7,852
$7,786
$7,180
$7,519
SOUTHEAST
$7,484
$8,000
$6,508
$8,282
$8,987
$9,787
$12,406
UNITED STATES $9,458
$10,108-12,406 High-income states
$8,809-10,107 Near-average-income states
$6,508-8,808 Low-income states

U.S. Department of Commerce, Bureau of Economic Analysis.

per capita income, midwest

	1960	1965	1970	1975	1976	1977	1978	1979	1980
IOWA	$1,983	$2,754	$3,751	$5,894	$6,123	$6,851	$7,887	$8,669	$ 9,178
Minnesota	2,075	2,642	3,859	5,779	6,222	7,088	7,910	8,865	9,519
South Dakota	1,784	2,182	3,123	5,009	5,011	5,850	6,864	7,455	7,452
Nebraska	2,110	2,619	3,789	5,882	6,054	6,672	7,582	8,684	8,914
Kansas	2,160	2,701	3,853	5,958	6,444	7,040	7,882	9,233	9,958
Missouri	2,112	2,716	3,781	5,476	5,925	6,565	7,313	8,251	8,846
Illinois	2,646	3,291	4,507	6,735	7,310	8,046	8,903	9,799	10,658
Wisconsin	2,188	2,712	3,812	5,616	6,097	6,775	7,532	8,484	9,254
Indiana	2,178	2,840	3,772	5,609	6,245	6,906	7,706	8,570	8,978
Ohio	2,345	2,893	4,020	5,778	6,410	7,102	7,855	8,715	9,398
U.S.	2,222	2,785	3,966	5,861	6,402	7,042	7,836	8,773	9,458

Source: Commerce News, May 3, 1981, U.S. Department of Commerce, Bureau of Economic Analysis.

total personal income, midwest (billions)

	1960	1965	1970	1975	1976	1977	1978	1979	1980
IOWA	$ 5.47	$ 7.55	$10.62	$16.82	$17.60	$19.86	$23.17	$25.28	$27.33
Minnesota	7.11	8.49	14.72	22.66	24.60	28.21	31.70	36.05	39.74
South Dakota	1.22	1.51	2.09	3.41	3.44	4.02	4.73	5.18	5.41
Nebraska	2.99	3.85	5.64	9.08	9.40	10.37	11.87	13.53	14.74
Kansas	4.72	5.96	8.67	13.58	14.81	16.33	18.51	21.65	23.65
Missouri	9.13	12.13	17.73	26.10	28.36	31.66	35.54	40.25	44.27
Illinois	26.69	35.19	50.15	75.42	81.83	90.34	100.09	110.61	120.43
Wisconsin	8.67	11.48	16.88	25.77	28.10	31.46	35.24	40.34	44.10
Indiana	10.18	13.98	19.62	29.80	33.18	36.95	41.41	45.80	49.18
Ohio	22.82	29.51	42.87	62.03	68.53	75.96	84.43	93.98	102.41

Source: Survey of Current Business, July, 1981, U.S. Department of Commerce.

Iowa is middle-of-road in taxable payrolls, 1979

	Number of Employees Week of March 12	Annual Taxable Payroll ($000)	Estimated Weekly Payroll per Employee
IOWA	917,005	10,810,991	$226.72
Minnesota	1,484,513	18,593,341	240.86
South Dakota	175,997	1,703,086	186.09
Nebraska	485,332	5,341,005	211.63
Kansas	757,103	8,755,357	222.39
Missouri	1,689,612	20,923,207	238.14
Illinois	4,299,306	60,272,782	269.59
Wisconsin	1,628,154	20,419,271	241.18
Indiana	1,885,965	24,826,023	252.15
Ohio	3,833,422	52,608,592	263.92
North Dakota	170,001	1,810,847	204.85

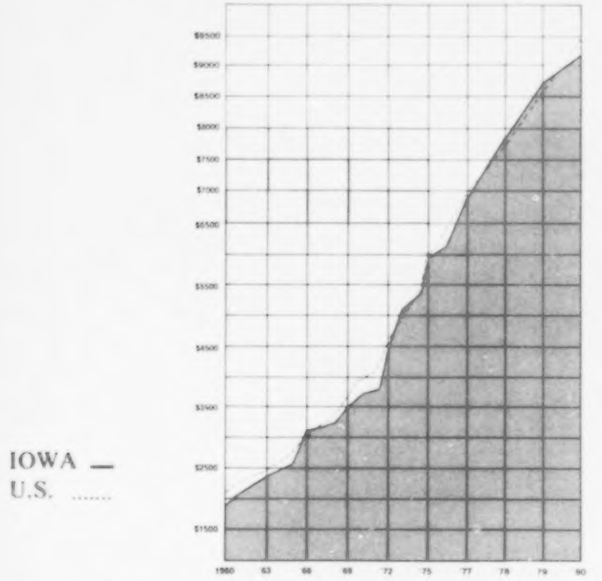
Source: County Business Patterns, U.S. Department of the Census.

personal income comes from diverse sources, 1980 (millions)

Income by place of work	Iowa	Minnesota	South Dakota	Nebraska	Kansas	Missouri	Illinois	Wisconsin	Indiana	Ohio
Total labor and proprietors income	$19,118	$30,309	$3,649	$10,672	$16,670	$33,428	$ 89,622	$32,691	$37,716	$ 77,750
By type										
Wage and salary disbursements	14,959	24,843	2,751	8,395	13,105	27,548	75,567	26,755	36,929	65,529
Other labor income	1,535	2,614	253	772	1,366	2,832	7,876	2,888	3,660	6,328
Proprietors income	2,623	3,176	897	1,506	2,199	3,048	6,170	2,978	3,127	5,147
Farm	848	1,066	220	515	805	1,047	1,025	1,074	689	503
Nonfarm	1,775	1,786	425	991	1,395	2,001	5,145	1,904	2,438	4,[illegible]33
By industry										
Farm	1,192	1,289	287	726	1,007	1,179	1,409	1,329	878	811
Nonfarm	17,926	29,020	3,362	9,947	15,663	32,249	88,213	31,292	36,838	76,940
Private	15,297	24,844	2,618	8,064	13,023	27,[illegible]	76,542	27,022	32,463	67,566
Manufacturing	5,279	7,638	428	1,751	3,795	8,[illegible]	26,008	11,030	14,784	29,092
Mining	52	447	67	3	422	[illegible]	900	57	310	865
Contract construction	1,193	1,853	236	645	1,033	1,836	4,950	4,118	2,224	1,646
Wholesale and retail trade	3,442	5,571	750	2,045	2,842	5,925	15,818	5,033	5,741	12,099
Wholesale trade	1,503	2,528	307	923	1,257	2,684	7,516	1,964	2,157	4,789
Retail trade	1,939	3,043	443	1,122	1,585	3,241	8,302	3,069	3,584	7,310
Finance, insurance and real estate	1,108	1,824	200	735	888	1,916	6,363	1,630	1,750	3,547
Transportation and public utilities	1,347	2,426	297	1,147	1,501	3,448	7,124	2,078	2,601	5,503
Services	2,799	4,979	621	1,650	2,483	5,589	15,174	4,894	4,971	12,146
Government and government enterprises	2,629	4,176	744	1,882	2,639	4,696	11,670	3,525	4,375	8,482
Derivation of personal income by place of residence										
Total labor and proprietors income by place of work	19,118	30,309	3,649	10,672	16,670	33,428	89,622	32,691	37,716	77,750
Less: Personal contributions for social insurance by place of work	1,084	1,735	230	601	902	1,823	4,890	1,781	2,072	4,305
Net labor and proprietors name by place of residence	18,034	28,574	3,419	10,071	15,768	31,606	84,732	30,839	35,644	73,445
Plus: Residence adjustment	133	50	7	-210	924	-1,745	454	477	198	-523
Net labor and proprietors income by place of residence	18,167	28,524	3,426	9,862	16,693	29,860	85,186	31,316	35,842	72,922
Plus: Dividends, interest and rent	5,753	6,560	1,219	3,134	4,133	8,037	20,538	6,904	7,104	15,144
Plus: Transfer payments	3,408	4,661	763	1,742	2,822	6,375	14,710	5,875	6,232	14,345
Personal income by place of residence	27,328	39,744	5,408	14,738	23,648	44,273	120,434	44,095	49,117	102,410

Source: Survey of Current Business, July 1981, U.S. Department of Commerce.

Iowa per capita income in step with U.S.



Source: Survey of Current Business, July, 1981, U.S. Department of Commerce.

	IOWA	U.S.
1960	$1,983	$2,222
1962	2,179	2,381
1963	2,312	2,469
1964	2,418	2,603
1965	2,754	2,785
1966	3,004	3,001
1967	3,039	3,188
1968	3,237	3,457
1969	3,514	3,733
1970	3,751	3,966
1971	3,865	4,195
1972	4,297	4,537
1973	5,168	4,980
1974	5,329	5,428
1975	5,867	5,852
1976	6,123	6,402
1977	6,851	6,979
1978	7,887	7,735
1979	8,669	8,637
1980	9,178	9,458

personal income reflects industrial growth

	1960	1965	1970	1975	1977	1978	1979	1980
Total labor & proprietors income	$5,568	$7,522	$10,609	$12,429	$14,777	$17,278	$18,332	$19,118
By Type								
Wage & salary disbursements	3,021	3,876	5,808	8,992	11,335	12,573	14,053	14,959
Other labor income	111	198	333	735	1,052	1,171	1,359	1,535
Proprietors income	1,306	1,884	2,114	2,702	2,389	3,533	2,921	2,623
Farm	666	1,133	1,287	1,601	1,018	1,995	1,252	848
Nonfarm	640	751	827	1,101	1,371	1,539	1,669	1,775
By Industry								
Farm	N A	N A	N A	1,777	1,265	2,237	1,559	1,192
Nonfarm	N A	N A	N A	10,652	13,512	15,041	16,773	17,926
Manufacturing	912	1,233	1,791	3,044	3,919	4,357	4,991	5,279
Durables	N A	N A	1,019	(D)	2,520	2,827	3,277	3,406
Nondurables	N A	N A	773	(D)	1,399	1,530	1,715	1,872
Mining	14	19	26	50	26	44	53	52
Contract construction	194	229	367	733	1,032	1,181	1,282	1,193
Wholesale & retail trade	627	736	1,076	2,072	2,663	2,922	3,248	3,442
Wholesale trade	N A	N A	N A	936	1,107	1,207	1,390	1,503
Retail trade	N A	N A	N A	1,136	1,556	1,715	1,858	1,939
Finance, insurance & real estate	143	185	283	567	778	877	987	1,108
Transportation, communication & utilities	285	309	418	814	1,001	1,149	1,261	1,347
Services	292	409	653	1,518	1,989	2,209	2,484	2,799
Other industries	10	12	15	41	N/A	N/A	N/A	N/A
Government	470	678	1,098	1,711	2,057	2,241	2,397	2,629
Federal, civilian	99	139	213	262	307	337	351	380
Federal, military	24	17	18	33	35	35	36	39
State & local	348	523	867	1,417	1,714	1,869	2,009	2,211
Personal contributions for social insurance	109	154	331	637	774	853	983	1,084
Dividends, interest & rent	825	1,188	1,639	2,836	3,271	4,345	4,914	5,753
Transfer payments	414	542	1,047	2,037	2,425	2,604	2,897	3,408
Personal income by place of residence	N A	N A	N A	16,783	19,803	20,295	25,276	27,328

(D) Not shown to avoid disclosure of confidential information.
Note: Detail may not add to total due to rounding.
Source: Survey of Current Business, July, 1981, U.S. Department of Commerce.

industrial payrolls contribute substantially

Major Industry Groups	1978 Number of Employees (mid-March)	1978 Taxable Payrolls (Annual $000)	1978 Total Reporting Units	1979 Number of Employees (mid-March)	1979 Taxable Payrolls (Annual $000)	1979 Total Reporting Units
Total	881,449	$9,603,881	67,518	917,005	$10,810,991	67,832
Agricultural Services	3,375	34,303	732	3,629	40,620	750
Mining	2,318	38,712	232	2,527	45,089	211
Contract Construction	50,509	785,768	7,724	51,632	844,101	7,558
Manufacturing	249,205	3,763,425	3,403	261,939	4,302,293	3,371
Transportation & Utilities	46,627	668,122	3,174	48,865	749,634	3,106
Wholesale Trade	72,930	938,338	7,464	77,105	1,083,335	7,517
Retail Trade	207,168	1,302,135	20,238	208,561	1,381,879	19,618
Finance, Insurance, Real Est.	57,151	664,918	5,903	61,670	760,289	6,053
Services	188,031	1,373,873	16,873	195,585	1,559,591	16,978
Unclassified Est.	4,135	34,286	1,775	5,492	44,160	2,670

*Revised

Source: County Business Patterns — Iowa, 1980, U.S. Department of Commerce.

per capita income distributed in Iowa

County	Total Personal Income (Millions of Dollars) 1977	1978	1979	Total Per Capita Personal Income (Dollars) 1977	1978	1979
IOWA	$19,785	$22,920	$25,163	$6,851	$7,887	$8,669
Adair	47	74	72	4,927	7,612	7,284
Adams	27	42	44	4,472	6,838	7,226
Allamakee	91	91	101	5,753	5,692	6,533
Appanoose	79	85	99	5,072	5,505	6,366
Audubon	44	71	67	4,846	7,638	7,450
Benton	140	176	191	5,858	7,300	7,803
Black Hawk	1,027	1,130	1,285	7,515	8,124	9,198
Boone	145	237	234	5,465	8,922	8,751
Bremer	163	174	199	6,757	7,099	7,994
Buchanan	143	156	178	6,234	6,737	7,631
Buena Vista	167	154	182	8,138	7,499	9,013
Butler	109	123	137	6,230	7,022	7,746
Calhoun	90	117	123	6,529	8,521	9,079
Carroll	126	188	188	5,394	7,979	8,071
Cass	110	135	145	6,477	7,883	8,438
Cedar	124	137	155	6,894	7,521	8,598
Cerro Gordo	354	389	429	7,313	8,061	8,961
Cherokee	120	124	136	7,329	7,524	8,353
Chickasaw	106	105	119	6,851	6,701	7,519
Clarke	43	59	61	5,337	7,201	7,362
Clay	151	148	174	7,835	7,500	8,672
Clayton	132	142	157	6,334	6,814	7,711
Clinton	394	432	488	6,805	7,411	8,376
Crawford	117	147	153	6,212	7,772	8,020
Dallas	172	222	237	6,158	7,769	8,262
Davis	40	58	61	4,530	6,486	6,891
Decatur	40	50	55	4,045	5,050	5,582
Delaware	116	126	139	6,042	6,534	7,170
Des Moines	332	368	409	7,323	8,026	8,940
Dickinson	107	119	129	7,479	8,220	8,727
Dubuque	679	752	827	7,249	8,031	8,884
Emmet	99	100	113	7,059	7,181	8,295
Fayette	160	165	187	6,162	6,428	7,531
Floyd	136	138	158	6,816	6,887	7,927
Franklin	75	97	104	5,712	7,341	7,720
Fremont	51	67	73	5,578	7,339	8,051
Greene	57	137	123	4,716	11,483	10,150
Grundy	91	115	123	6,501	8,010	8,392
Guthrie	60	88	88	4,858	7,177	7,229
Hamilton	104	152	159	5,902	8,606	9,050
Hancock	100	104	120	7,221	7,557	8,896
Hardin	136	174	187	6,204	8,060	8,457
Harrison	96	120	128	5,771	7,307	7,844
Henry	119	139	152	6,669	7,619	8,375
Howard	77	70	83	6,807	6,244	7,574
Humboldt	89	100	111	6,954	7,891	8,777
Ida	67	71	75	7,587	7,939	8,411
Iowa	95	120	129	6,181	7,880	8,551
Jackson	125	144	158	5,609	6,363	6,891
Jasper	$ 227	$ 299	$ 314	$6,222	$8,133	$8,495
Jefferson	94	115	130	6,313	7,583	8,628
Johnson	542	601	656	7,037	7,699	8,289
Jones	119	135	147	5,964	6,779	7,244
Keokuk	78	104	111	5,855	7,851	8,534
Kossuth	151	162	186	6,642	7,067	8,143
Lee	283	333	362	6,679	7,846	8,695
Linn	1,306	1,470	1,680	7,871	8,799	10,037
Louisa	72	73	84	6,270	6,298	7,249
Lucas	55	76	79	5,506	7,533	7,594
Lyon	93	96	104	6,956	7,084	7,877
Madison	57	96	92	4,579	7,620	7,258
Mahaska	127	177	183	5,643	7,798	8,007
Marion	192	246	252	6,445	8,484	8,722
Marshall	292	381	391	6,799	8,950	9,346
Mills	73	99	106	5,628	7,442	7,783
Mitchell	85	85	96	6,747	6,685	7,608
Monona	85	85	96	7,180	7,146	8,104
Monroe	50	65	69	5,319	6,854	7,050
Montgomery	92	113	125	6,048	8,639	9,658
Muscatine	296	324	367	7,524	8,178	9,312
O'Brien	121	122	141	6,924	7,011	8,131
Osceola	64	63	70	7,943	7,790	8,601
Page	120	146	160	6,354	7,675	8,390
Palo Alto	89	100	110	6,611	7,508	8,387
Plymouth	160	186	193	6,458	7,504	7,845
Pocahontas	90	92	105	7,706	7,933	9,162
Polk	2,426	2,721	3,043	8,141	9,067	10,165
Pottawattamie	555	629	689	6,374	7,253	8,007
Poweshiek	128	161	176	6,579	8,247	9,006
Ringgold	27	44	41	4,237	6,940	6,763
Sac	106	119	128	7,136	8,088	8,760
Scott	1,183	1,325	1,493	7,674	8,472	9,520
Shelby	86	123	124	5,581	8,075	8,099
Sioux	167	199	209	5,616	6,565	6,775
Story	418	553	577	6,093	7,929	8,280
Tama	119	152	158	6,002	7,582	7,969
Taylor	40	48	54	4,961	5,840	6,703
Union	74	99	105	5,512	7,371	7,711
Van Buren	39	58	59	4,412	6,632	6,794
Wapello	257	291	337	6,385	7,179	8,258
Warren	204	264	281	6,158	7,705	8,026
Washington	137	157	175	7,212	8,197	9,041
Wayne	39	57	59	4,655	6,837	7,086
Webster	317	378	416	6,710	8,011	8,917
Winnebago	110	108	119	8,043	7,757	8,690
Winneshiek	124	128	144	5,684	5,797	6,429
Woodbury	762	833	897	7,348	8,080	8,864
Worth	62	63	72	6,996	7,159	7,785
Wright	129	135	156	7,798	8,062	9,501

Source: Survey of Current Business, April, 1981, U.S. Department of Commerce, Bureau of Economic Analysis.

taxable payrolls by county, Iowa 1978 and 1979

County	1978			1979		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Total	67,518	881,449	$9,603,881	67,832	917,005	$10,810,992
Adair	238	1,531	12,898	238	1,619	15,027
Adams	121	1,694	13,012	123	1,395	12,437
Allamakee	399	3,409	26,988	401	3,455	27,032
Appanoose	345	3,271	31,791	347	3,243	30,927
Audubon	229	1,437	10,147	238	1,512	11,587
Benton	499	3,408	31,081	505	3,559	35,579
Black Hawk	2,880	52,620	689,708	2,886	54,563	791,847
Boone	532	4,747	44,512	516	5,108	50,548
Bremer	555	5,972	58,348	543	6,014	63,750
Buchanan	456	2,984	25,549	450	2,967	29,659
Buena Vista	605	5,443	50,574	613	5,730	60,330
Butler	405	2,272	19,523	394	2,399	19,205
Calhoun	347	2,229	18,110	345	2,285	20,210
Carroll	667	6,475	61,412	677	6,957	70,601
Cass	531	4,461	38,280	537	4,803	41,113
Cedar	410	2,707	23,638	414	2,774	26,830
Cerro Gordo	1,413	17,462	165,453	1,426	18,096	185,927
Cherokee	387	4,044	39,766	373	4,064	45,544
Chickasaw	378	3,465	35,607	368	3,682	37,959
Clarke	188	1,592	13,363	186	1,888	17,423
Clay	581	6,477	65,803	597	6,339	68,354
Clayton	469	3,356	30,399	463	3,726	35,522
Clinton	1,149	19,094	199,165	1,134	18,858	220,646
Crawford	448	4,434	46,406	468	4,911	56,576
Dallas	592	5,059	49,208	610	5,152	56,045
Davis	171	1,126	8,997	177	1,211	10,491
Decatur	190	2,167	12,082	184	2,131	12,599
Delaware	406	3,133	27,615	411	3,349	32,112
Des Moines	1,089	19,098	218,941	1,118	19,366	245,003
Dickinson	434	3,694	33,914	430	3,743	35,625
Dubuque	2,008	40,401	519,755	2,067	41,491	577,390
Emmet	331	3,808	41,388	325	3,781	45,931
Fayette	646	5,465	43,374	626	5,264	48,565
Floyd	450	5,326	56,499	451	5,448	65,919
Franklin	355	2,986	29,592	361	3,066	32,838
Fremont	193	1,264	10,148	198	1,277	11,208
Greene	295	2,193	20,257	306	2,319	24,590
Grundy	303	2,169	18,926	303	2,205	21,480
Guthrie	266	1,653	10,147	278	1,525	11,776
Hamilton	473	4,533	37,999	459	4,564	43,894
Hancock	351	2,277	21,219	361	2,880	28,199
Hardin	674	5,599	51,278	661	5,931	62,065
Harrison	335	2,093	17,004	330	2,339	18,813
Henry	490	5,772	51,312	483	5,211	53,602
Howard	290	1,840	14,583	297	1,909	17,251
Humboldt	317	2,373	23,182	331	2,432	26,328
Ida	249	1,924	16,783	229	1,966	18,650
Iowa	394	5,974	54,711	389	6,161	61,781
Jackson	483	4,073	29,831	476	3,895	33,391
Jasper	712	10,732	125,219	726	11,149	143,287
Jefferson	342	4,539	41,328	332	4,804	49,759
Johnson	1,483	18,941	175,341	1,518	19,708	195,855

taxable payrolls by county (continued)

County	1978 Number of establishments	1978 Number of employees for week including March 12	1978 Payroll Annual ($000)	1979 Number of establishments	1979 Number of employees for week including March 12	1979 Payroll Annual ($000)
Jones	454	3,782	30,808	454	3,674	34,146
Keokuk	294	1,803	14,967	302	1,948	17,184
Kossuth	571	4,861	45,698	563	5,137	50,992
Lee	1,013	16,068	181,464	989	16,918	198,733
Linn	3,582	72,663	910,430	3,722	78,297	1,057,538
Louisa	205	1,661	13,172	214	1,494	15,182
Lucas	227	2,176	22,782	229	2,348	25,730
Lyon	279	1,778	14,706	280	1,836	16,251
Madison	253	1,815	14,207	248	1,854	15,742
Mahaska	558	5,571	47,165	555	5,955	52,844
Marion	607	8,043	87,382	614	8,468	96,439
Marshall	952	14,864	179,284	943	15,016	190,414
Mills	269	2,173	18,392	274	2,204	21,140
Mitchell	305	1,928	15,410	306	2,020	18,157
Monona	315	1,913	14,498	306	2,029	15,550
Monroe	182	1,649	15,680	194	1,746	17,908
Montgomery	355	3,619	33,291	362	3,949	39,449
Muscatine	903	15,328	177,904	912	15,984	207,715
O'Brien	534	3,899	29,139	539	3,908	32,764
Osceola	218	1,563	12,401	218	1,552	12,985
Page	522	5,320	46,501	531	5,334	51,014
Palo Alto	304	2,041	15,941	311	2,218	18,632
Plymouth	596	4,972	45,059	597	5,433	50,719
Pocahontas	326	2,248	19,246	325	2,333	20,822
Polk	7,923	149,826	1,798,304	8,071	157,158	2,020,769
Pottawattamie	1,515	18,028	171,086	1,555	19,928	194,436
Poweshiek	486	5,756	53,111	484	5,883	60,841
Ringgold	150	854	5,620	147	958	6,803
Sac	442	2,838	24,224	429	2,944	27,490
Scott	3,306	57,348	755,741	3,347	62,684	882,354
Shelby	364	2,712	22,525	373	2,999	26,603
Sioux	815	7,668	62,516	814	8,089	73,951
Story	1,408	17,271	156,556	1,438	18,338	174,912
Tama	421	3,201	27,862	441	3,254	31,289
Taylor	168	1,139	7,143	173	1,229	8,599
Union	370	2,996	23,707	383	3,342	27,358
Van Buren	182	986	7,076	171	1,042	8,144
Wapello	812	11,302	126,084	785	11,286	145,881
Warren	461	3,988	34,912	484	3,912	39,639
Washington	550	5,190	48,082	554	5,472	53,047
Wayne	193	1,298	10,163	199	1,368	12,176
Webster	1,212	15,875	163,664	1,240	16,388	184,247
Winnebago	365	6,535	63,195	370	6,972	57,279
Winneshiek	465	4,194	38,348	474	4,069	43,173
Woodbury	2,587	40,422	434,648	2,590	38,336	441,393
Worth	187	1,064	8,104	176	1,124	8,837
Wright	461	4,160	39,243	458	4,222	42,303
Statewide	297	264	6,297	N/A	157	2,364

Source: County Business Patterns, 1979, U.S. Department of Commerce, Bureau of the Census.

total personal and per capita income[1], Iowa smsa's

	Per Capita Personal Income					Total Personal Income[1] (millions)				
	1975	1976	1977	1978	1979	1975	1976	1977	1978	1979
Cedar Rapids	$6,196	$6,908	$7,871	$8,799	$10,037	$ 1,030	$ 1,153	$ 1,306	$ 1,470	$ 1,680
Davenport, Rock Island, Moline	6,564	7,137	7,905	8,688	9,770	2,444	2,662	2,951	3,258	3,660
Des Moines	6,507	7,197	7,942	8,928	9,941	2,156	2,396	2,631	2,985	3,324
Dubuque	5,786	6,316	7,249	8,031	8,884	545	604	679	752	827
Iowa City			7,037	7,699	8,289			542	601	656
Omaha, Council Bluffs	5,915	6,406	6,945	7,680	8,510	3,393	3,725	4,014	4,484	4,990
Sioux City	6,003	6,438	7,099	7,854	8,619	716	771	854	942	1,017
Waterloo, Cedar Falls	6,105	6,644	7,515	8,124	9,198	802	901	1,027	1,130	1,285
All MSA's	5,851	6,396	7,504	8,353	9,319	1,246,501	1,372,833	1,105,510	1,341,218	1,507,953

[1] Reflects income at place of residence.
Source: Survey of Current Business, April 1981, U.S. Department of Commerce.

1979 earnings by industrial source, smsa's (thousands)

	Cedar Rapids	Davenport Rock Island Moline	Des Moines	Dubuque	Iowa City	Omaha Council Bluffs	Sioux City	Waterloo Cedar Falls
Total Labor and Proprietors Income by Place of Work:								
By Type:								
Wage and Salary Disbursements	$1,200,860	$2,525,059	$2,474,994	$635,536	$465,874	$3,597,911	$ 624,202	$ 975,677
Other Labor Income	126,940	256,555	237,139	63,772	31,173	326,084	64,203	96,755
Proprietors Income	86,610	222,354	209,361	54,630	48,175	326,175	104,750	68,198
Farm	14,139	67,341	15,788	10,911	16,220	24,038	30,502	10,818
Nonfarm	72,471	155,013	193,573	43,719	31,955	302,137	74,248	57,380
By Industry:								
Farm	18,902	77,055	23,127	13,613	19,492	32,913	37,405	15,523
Nonfarm	1,395,508	2,926,913	2,897,930	740,325	525,730	4,217,257	755,750	1,125,107
Private	1,278,286	2,564,152	2,503,587	693,632	282,508	3,458,560	673,153	1,008,780
Manufacturing	592,351	1,214,284	532,289	375,373	61,258	643,779	185,337	558,650
Mining	4,135	4,237	4,037	700	D	4,662	D	563
Contract Construction	105,423	182,153	199,466	41,487	31,457	271,739	60,128	66,132
Wholesale and Retail Trade	219,018	502,139	569,821	100,528	72,330	D	152,290	149,767
Finance, Insurance, and Real Estate	77,361	125,077	357,340	22,490	18,238	382,419	51,351	37,088
Transp., Comm., & Public Utilities	88,619	190,683	259,653	37,242	19,562	559,996	83,368	56,995
Services	189,379	339,497	547,496	114,323	78,077	D	137,541	138,425
Other Industries	2,000	6,082	6,485	1,489	D	8,315	D	1,160
Government	117,222	362,761	394,343	46,693	243,222	758,697	82,597	116,327
Federal, Civilian	16,392	132,449	91,578	7,036	21,444	161,745	17,829	10,021
Federal, Military	2,162	7,639	5,163	1,140	871	180,087	1,418	1,852
State and Local	98,668	222,673	297,602	38,517	220,907	416,865	63,350	104,454
Derivation of Personal Income by Place of Residence:								
Total Labor and Proprietors Income by Place of Work	1,414,410	3,003,968	2,921,057	753,938	545,222	4,250,170	793,155	1,140,630
Less: Personal Contributions for Social Insurance by Place of Work	78,638	162,292	166,802	44,346	25,369	251,627	48,079	63,070
Net Labor and Proprietors Income by Place of Work	1,335,772	2,841,676	2,754,255	709,592	519,853	3,998,543	745,076	1,077,560
Plus: Residence Adjustment	-61,555	-123,821	-194,310	-105,975	-24,909	-155,451	-30,985	-105,796
Net Labor and Proprietors Income by Place of Residence	1,274,217	2,717,855	2,559,945	603,617	494,944	3,843,092	714,091	971,764
Plus: Dividends, Interest, and Rent	256,379	570,081	421,003	137,717	103,476	589,907	170,492	181,703
Plus: Transfer of Payments	149,517	372,126	343,125	85,532	57,518	556,972	131,999	131,541
Personal Income by Place of Residence	1,680,113	3,660,062	3,324,073	826,866	655,938	4,989,971	1,016,582	1,285,008
Per Capita Income	10,037	9,770	9,941	8,884	8,289	8,510	8,619	9,198

(D) = Data not shown to avoid disclosure.
Source: Local Area Personal Income, 1974-1979, U.S. Department of Commerce.

Iowa government finances healthy

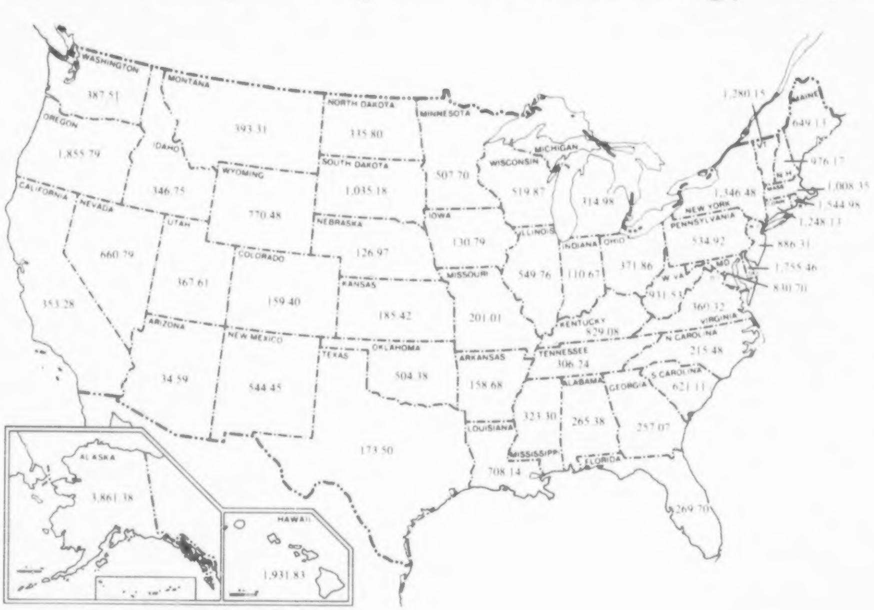
The Iowa Treasury is healthy. Iowa per capita debt is the nation's fourth lowest. This means that Iowa's future is not mortgaged, and more tax revenue is spent to get things done instead of paying interest.

Amounts spent by Iowa's state and local government establishes the median (half above and half below) for the nation, with greater emphasis on education and highways than found in most other states.

Iowa exempts from its 3 percent sales and use tax, food and drugs, thus reducing the "family" impact of this tax; and it is phasing out its county personal property taxes, another example of lessening the tax bite on "families".

"Fiscal stability" is the term often used to describe Iowa's finances. When Iowa does borrow, it qualifies for low interest rates because of its low indebtedness and its "fiscal stability".

here's Iowa's low per capita debt ranking, 1980


WASHINGTON
387.51
MONTANA
393.31
NORTH DAKOTA
335.80
MINNESOTA
507.70
OREGON
1,855.79
IDAHO
346.75
WYOMING
770.48
SOUTH DAKOTA
1,035.18
WISCONSIN
519.87
MICHIGAN
314.98
CALIFORNIA
353.28
NEVADA
660.79
UTAH
367.61
COLORADO
159.40
NEBRASKA
126.97
IOWA
130.79
ILLINOIS
549.76
INDIANA
110.67
OHIO
371.86
KANSAS
185.42
MISSOURI
201.01
ARIZONA
34.59
NEW MEXICO
544.45
OKLAHOMA
504.38
TEXAS
173.50
ARKANSAS
158.68
LOUISIANA
708.14
MISSISSIPPI
323.30
ALABAMA
265.38
GEORGIA
257.07
FLORIDA
269.70
TENNESSEE
306.24
KENTUCKY
829.08
W VA
931.53
VIRGINIA
360.32
N CAROLINA
215.48
S CAROLINA
621.11
PENNSYLVANIA
534.92
NEW YORK
1,346.48
MD
VT
1,280.15
MAINE
649.13
N.H.
976.17
1,008.35
1,544.98
1,248.13
886.31
1,755.46
830.70
ALASKA
3,861.38
HAWAII
1,931.83

Source: State Government Finances, 1979-80,
U.S. Department of Commerce.

Iowa low spender on welfare, police, fire

1979-80

	Per Capita		Per $1,000 Personal Income	
	U.S.	IOWA	U.S.	Iowa
Total General Expenditures	$1,010.43	$1,066.72	$118.63	$122.07
Education	389.34	452.94	45.71	51.83
Highways	110.88	168.70	13.02	19.31
Public Welfare	195.78	175.78	22.99	20.12
Health & Hospital	79.05	77.54	N/A	N/A
Police Protection	10.02	7.71	N/A	N/A
Fire Protection	N/A	N/A	N/A	N/A
Sewerage	N/A	N/A	N/A	N/A
Sanitation	N/A	N/A	N/A	N/A
Local Parks & Recreation	N/A	N/A	N/A	N/A
Financial Administration	13.42	14.05	N/A	N/A
General Control	14.31	8.45	N/A	N/A
Interest Debt	29.94	7.16	N/A	N/A
All Other	131.00	104.52	N/A	N/A

Source: State Governmental Finances in 1980, U.S. Department of Commerce, Bureau of the Census.

relation of selected government finances to personal income: 1980

	General Revenue Per $1,000 Personal Income						General Expenditures Per $1,000 Personal Income					
			Taxes					Education				
	Total	Revenue from Federal Government	Total[1]	General Sales or Gross Receipts	Individual Income	Charges and Miscellaneous	Total	Total[1]	Inter-Governmental	State Institutions of Higher Education	Public Welfare	Highways
U.S. Average	121.42	32.17	71.25	22.44	19.28	16.73	118.63	45.71	27.39	14.52	22.99	13.02
Illinois	100.38	25.12	64.28	21.62	17.27	10.02	100.38	36.75	23.99	9.37	23.20	12.28
Indiana	93.41	19.07	58.25	28.77	12.03	15.75	96.12	41.97	21.14	18.13	12.41	13.94
IOWA	116.19	29.22	68.62	19.72	23.66	16.86	122.07	51.83	30.21	18.61	20.12	19.31
Kansas	98.83	26.39	58.05	19.13	15.36	13.92	96.18	39.83	22.44	15.17	16.73	17.31
Minnesota	145.95	33.97	88.98	18.06	35.08	21.56	140.77	57.24	35.52	19.12	23.41	15.08
Missouri	91.40	28.75	52.16	19.73	15.02	10.45	90.08	35.12	21.15	12.12	16.45	13.21
Nebraska	103.86	26.42	59.76	20.27	17.25	15.61	98.08	30.46	10.67	17.27	13.98	19.36
Ohio	88.01	23.06	50.97	15.46	11.12	13.13	94.19	39.44	23.53	14.37	17.66	8.87
South Dakota[2]	136.90	51.00	52.66	28.65	0	31.77	138.66	40.08	14.99	22.28	19.74	28.09
Wisconsin	139.75	37.25	84.07	21.32	35.72	17.40	139.21	46.90	23.82	19.97	30.79	12.73

[1] Includes amounts for categories not shown separately.

[2] South Dakota has no state income tax.

Source: State Government Finances in 1980, U.S. Department of Commerce, Bureau of the Census, Table VI.

aggregate tax amounts collectible in fiscal year 1980-1981

	Cities	Rural Areas	State
District School Tax (General Fund)	$326,605,340	$296,780,831	$623,386,171
District School Tax (Schoolhouse Fund)	38,015,218	33,911,526	71,926,744
Area Vocational School Tax	10,616,565	11,472,265	22,088,830
City Tax	265,617,644	0	265,617,644
General County Tax	20,552,764	21,691,751	42,244,515
County F.I.C.A. & I.P.E.R.S.	3,524,948	3,758,682	7,283,630
Emergency Tax	1,174,036	685,595	1,859,631
Poor Tax	10,270,203	7,721,120	17,991,323
Mental Health & Institutions Tax	41,723,268	33,350,276	75,073,544
Veterans Affairs Tax	1,908,366	1,655,468	3,563,834
Court Expense Tax	20,158,662	14,397,376	34,556,038
County Bond Tax	2,350,460	2,009,994	4,360,454
Fairgrounds, County Fair & 4H Clubs	1,061,262	1,385,311	2,446,573
County Conservation Tax	5,099,856	5,111,702	10,211,558
County Tort Liability Tax	1,582,063	1,725,206	3,307,269
Bang's & T.B. Eradication Taxes	280,012	505,307	785,319
Secondary Roads Tax	3,410,823	78,434,326	81,845,149
Road Clearing Tax	0	3,751,773	3,751,773
Sanitary Disposal & Disposal Ground	0	1,128,188	1,128,188
County Library & Library Contract	0	2,213,179	2,213,179
Election Expense Tax	1,588,216	1,219,670	2,807,886
Unemploymet Compensation Tax	219,992	281,452	501,444
Agricultural Extension District Tax	1,770,710	2,887,542	4,658,252
Assessors & Special Appraiser Taxes	7,298,429	7,499,857	14,798,286
County Hospital Tax	10,736,320	7,671,124	18,407,444
Township General Tax	78,649	8,075,912	8,154,561
Miscellaneous Other Taxes	6,333,536	4,422,383	10,755,919
TOTAL OF ALL AGGREGATE TAX AMOUNTS	$781,977,342	$553,747,816	$1,335,725,158
AVERAGE TAX RATE (Aggregate Tax divided by Taxable Value x 1,000)	$ 29.56304	$ 19.52553	$ 24.36949
MONEYS AND CREDITS TAX ($5 per $1,000 Valuation)	$ 282,710	$ 32,376	$ 315,086
GRAIN HANDLED TAX (25¢ per 1,000 Bushels)	$ 331,319	$ 56,657	$ 387,976

Source: Report of 1979 Property Valuations and Taxes Collected in Fiscal Year 1980-1981, Reported by County Auditors and Compiled by Iowa Department of Revenue.

federal outlays in Iowa, fiscal 1980
(thousands)

Department of Defense-Military	$ 425,380
Foreign Economic and Financial Assistance	1,905
Conduct of Foreign Affairs	15
General Science and Basic Research	5,802
Space Flight	201
Space Science, Applications and Technology	3,709
Supporting Space Activities	54
Energy Supply	15,604
Energy Conservation	5,473
Energy Information, Policy and Regulation	298
Water Resource	6,725
Conservation and Land Management	18,942
Recreational Resources	8,563
Pollution Control and Abatement	79,461
Other Natural Resources	3,248
Farm Income Stabilization	663,259
Agricultural Research and Services	41,899
Mortgage Credit and Thrift Insurance	15,996
Postal Service	235,684
Other Advancement and Regulation of Commerce	13,794
Ground Transportation	159,360
Air Transportation	17,424
Water Transportation	1,650
Other Transportation	147
Community Development	38,467
Area and Regional Development	24,500
Disaster Relief and Insurance	6,694
Education, Training, Employment, Social Services	15,250
Elementary, Secondary, & Vocational Education	61,860
Higher Education	64,433
Research and General Education Aids	5,606
Training and Employment	66,940
Other Labor Services	758
Social Services	58,949
Health	40,619
Health Care Services	587,795
Consumer and Occupational Health and Safety	15,693
Income Security	3,306
General Retirement and Disability Insurance	1,742,119
Federal Employee Retirement and Disability	112,851
Unemployment Compensation	13,881
Public Assistance & Other Income Supplements	253,990
Income Security for Veterans	131,628
Veterans Education, Training and Rehabilitation	20,123
Hospital and Medical Care for Veterans	96,129
Veterans Housing	239
Other Veterans Benefits and Services	3,853
Federal Law Enforcement Activities	813
Federal Litigative and Judicial Activities	1,519
Criminal Justice Assistance	4,947
Central Fiscal Operations	15,665
General Property and Records Management	8,490
Central Personnel Management	127
Other General Government	367
Totals	$5,214,431

Source: Report on Federal Funds Received in Iowa — Fiscal Year 1980, Office of Planning and Programming.

total state and local revenues–eight midwestern states–1980 ($ in millions)

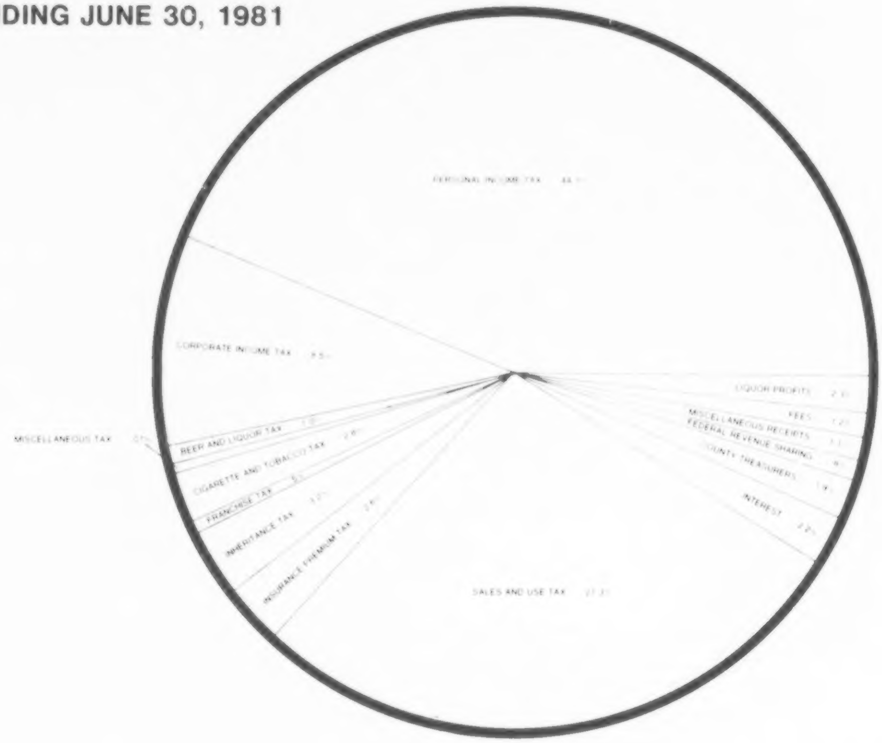
	Total Taxes	Individual Income		Corporate Income		Sales & Use		Property Tax		Other Taxes	
		$	%	$	%	$	%	$	%	$	%
Iowa	2,818	602	21	139	5	502	18	1,048	37	526	19
Illinois	12,375	1,901	15	798	6	2,912	24	4,192	34	2,573	21
Wisconsin	4,994	1,430	29	311	6	854	17	1,696	34	702	14
Minnesota	4,586	1,263	28	381	8	654	14	1,322	29	966	21
South Dakota[1]	544	N/A	N/A	N/A	N/A	166	14	242	28	136	14
Nebraska	1,512	236	16	58	4	317	21	629	42	273	18
Kansas	2,188	336	15	150	7	444	20	864	40	395	18
Missouri	3,622	603	17	135	4	1,024	28	1,058	29	802	22

Source: Iowa Department of Revenue
Research Division

[1] South Dakota has no state income tax.

general fund receipts (dollars in millions)

FISCAL YEAR ENDING JUNE 30, 1981



Twelve Months Actual Through June

	1980	1981
SPECIAL TAXES		
Personal Income Tax	$ 721.3	$ 769.8
Sales and Use Tax	456.1	474.6
Corporate Income Tax	152.2	148.2
Inheritance Tax	47.7	55.0
Insurance Premium Tax	43.7	45.7
Cigarette and Tobacco Tax	46.6	49.8
Beer and Liquor Tax	16.4	16.9
Franchise Tax	6.9	9.6
Miscellaneous Tax	1.1	1.3
TOTAL SPECIAL TAXES	$1,492.0	$1,570.9
County Treasurers	36.2	33.4
Liquor Profits	32.8	29.6
Interest	40.2	39.0
Fees	19.8	21.8
Federal Revenue Sharing	28.4	14.6
Miscellaneous Receipts	15.3	19.4
TOTAL RECEIPTS	$1,664.7	$1,738.7

Source: Office of the State Comptroller.

Iowa tax revenues, by type of tax (dollars in thousands)

Tax Source	1960	1965	1970	1975	1977	1978	1979	1980
Sales and Gross Receipts	$163,646	$191,677	$379,557	$484,146	$572,115	$612,249	$671,827	$778,242
General sales or gross receipts—sales and use	80,680	92,741	223,464	283,758	346,785	376,212	405,655	502,055
Selective sales and gross receipts	82,966	98,936	156,093	200,388	297,178	236,037	266,172	276,187
Motor Fuels	60,359	65,693	100,831	118,923	133,108	136,131	162,098	167,463
Refunds	-14,370	-13,889	-15,500	-11,618	-8,996	-6,862	-8,768	-10,468
Gross collections	74,730	79,581	116,331	130,541	142,104	143,023	170,866	177,931
Alcoholic beverages	3,235	7,359	9,048	13,300	14,748	15,688	16,474	16,403
Beer	3,235	3,420	5,796	8,516	9,160	9,498	10,146	10,146
Tax (10% prior to 1967, 15% from 1967)	—	3,939	3,252	4,784	5,588	NA	NA	6,505
Tobacco products—cigarettes	11,489	15,209	29,824	44,293	46,277	47,003	46,250	46,551
Insurance—gross premiums	7,497	10,275	15,704	23,592	30,910	35,836	39,398	43,740
Other—butterfat	386	400	686	280	287	288	267	252
License	50,728	62,070	90,040	124,243	145,219	151,949	164,774	176,985
Motor vehicles	43,631	54,297	75,106	99,767	11[illegible],017	121,369	128,707	132,742
General	43,423	54,119	74,851	99,589	115,355	121,209	128,536	132,558
Truckers	146	178	255	178	162	160	171	184
Motor vehicle operation	2,679	2,879	5,622	6,341	5,759	6,653	6,341	6,657
Corporations in general—					5,136	5,327		
filing and qualifications	286	319	602	1,002	1,260	6,491	10,467	1,553
Public utilities	28	27	34	34	73	70	80	119
Alcoholic beverages	65	36	2,373	4,700	4,492	4,566	4,681	4,720
Occupations and businesses, not elsewhere classified	2,191	2,398	3,305	6,350	7,598	7,778	7,874	8,865
Animal health and veterinarian fees	317	686	758	2,110	1,821	1,462	1,153	1,571
Bank examinations	465	559	1,070	1,605	1,958	2,180	2,151	2,183
Insurance Commission	352	322	526	813	539	1,103	1,191	1,517
Other	1,057	831	951	1,822	1,676	3,033	3,379	1,287
Hunting and fishing	1,517	1,970	2,593	4,676	4,431	4,134	4,872	5,571
Other	331	144	405	1,373	1,522	888	1,752	1,073
Boat and aircraft registration	—	135	389	1,359	1,505	863	1,734	1,853
Tax permits	13	9	16	14	18	25	18	18
Individual income	36,671	57,554	112,746	358,899	447,409	490,210	558,879	602,385
Corporation net income	3,807	5,887	24,273	63,612	91,894	108,961	130,074	138,564
Property-special-car equipment	3,641	4,078	4,063	115	125	92	N/A	N/A
Death and Gift inheritance and estate	7,294	10,020	16,767	29,460	33,068	36,808	40,717	47,668
Documentary and Stock Transfer	—	—	881	1,485	2,685	3,013	3,077	2,984

[1] Tax repealed effective June 5, 1978, and replaced by "Public Utilities - Freight Lines," tax above.
Source: State Government Tax Collection in 1980, U.S. Department of Commerce, Bureau of the Census.

state sales, gasoline, gasohol, and cigarette tax rates — 1981 (midwest)

State	Sales Tax[1] Rate	Gasoline Tax Per Gallon	Gasohol Tax[2] Exemption Per Gallon	Cigarette Tax Per Package
Illinois	4.0%	7.5¢	4.0%	12.0¢
Indiana	4.0	10.5	4.0	10.5
IOWA	3.0	13.0	7.0	18.0
Kansas	3.0	8.0	4.0	11.0
Minnesota*	5.0	13.0	4.0	18.0
Missouri	3.125	7.0	—	9.0
Nebraska	3.0	13.9	5.0	14.0
Ohio	5.1	10.3	3.5	14.0
S. Dakota	4.0	13.0	4.0	15.0
Wisconsin	4.0	9.0	—	16.0

*Ethanol must be distilled in Minnesota from products produced in the state.
[1] Source: State Tax Reveiw.
[2] Source: ADM Corn Sweetner Company, Cedar Rapids.

average tax rates and total tax, Iowa counties, 1979

	Real, Personal, Utilities — Net Taxable Valuations (Less Exemptions) (Moneys & Credits Excluded)			Average Tax Rate (Exclusive of Moneys & Credits Tax) Using Total Net Valuations for Cities			Total Tax Levied (Exclusive of Moneys & Credits Tax)			
Counties	County Total	Cities Only	Rural Districts Only	County Total	Cities Only	Rural Districts Only	State	County Total	Cities Only	Rural Districts Only
Adair	$ 228,185,161	$ 46,659,512	$181,525,649	$19.30	$24.16	$18.05	$0	$ 4,404,140	$ 1,127,087	$3,277,053
Adams	144,967,735	18,707,057	126,260,678	20.44	28.20	19.29	0	2,962,946	527,547	2,435,399
Allamakee	318,122,100	76,642,340	241,479,760	18.64	22.83	17.31	0	5,930,265	1,749,945	4,180,320
Appanoose	193,611,123	73,955,609	119,615,514	25.96	32.00	22.22	0	5,026,221	2,368,163	2,658,057
Audubon	210,580,630	38,207,473	172,373,157	19.93	25.83	18.62	0	4,196,346	986,994	3,209,351
Benton	476,530,342	135,528,557	341,001,785	21.23	25.67	19.47	0	10,117,955	3,478,949	6,639,006
Black Hawk	1,823,337,757	1,527,101,536	296,236,221	29.34	30.73	22.14	0	53,489,047	46,931,831	6.557,215
Boone	499,076,953	158,195,372	340,881,581	22.04	29.80	18.41	0	11,001,366	4,714,873	6,286,493
Bremer	394,497,058	162,178,861	232,318,197	21.23	24.53	18.93	0	8,375,644	3,978,923	4,397,622
Buchanan	394,136,091	117,557,389	276,578,702	21.79	26.43	19.82	0	8,588,301	3,107,583	5,480,719
Buena Vista	478,567,620	149,848,531	328,719,089	19.88	26.78	16.73	0	9,512,943	4,012,387	5,500,556
Butler	356,690,370	88,244,731	268,445,639	19.27	24.17	17.66	0	6,872,424	2,132,753	4,739,671
Calhoun	395,238,511	89,763,224	305,475,278	18.50	24.95	16.60	0	7,311,056	2,239,170	5,071,886
Carroll	451,109,570	173,643,444	277,466,126	20.88	25.12	18.22	0	9,417,430	4,361,719	5,055,711
Cass	342,578,270	115,659,918	226,918,352	22.41	26.23	20.47	0	7,678,121	3,033,679	4,644,443
Cedar	403,791,834	101,606,021	302,185,813	19.50	23.18	18.26	0	7,872,839	2,355,222	5,517,617
Cerro Gordo	819,521,533	494,445,959	325,075,574	25.84	29.85	19.73	0	21,172,816	14,758,746	6,414,071
Cherokee	400,286,564	102,104,316	298,182,248	18.93	25.80	16.58	0	7,578,339	2,634,152	4,944,188
Chickasaw	289,655,610	85,321,849	204,333,761	21.02	24.77	19.47	0	6,090,728	2,113,117	3,977,612
Clarke	149,248,479	44,303,074	104,945,405	23.32	27.70	21.47	0	3,480,086	1,227,216	2,252,870
Clay	502,645,354	179,500,857	323,144,497	18.57	23.46	15.85	0	9,333,669	4,210,573	5,123,096
Clayton	349,477,536	93,732,574	255,744,962	23.49	28.11	21.79	0	8,208,100	2,635,202	5,572,898
Clinton	947,874,045	588,336,930	359,537,115	24.51	27.82	19.10	0	23,233,685	16,365,654	6,868,031
Crawford	394,410,301	118,696,233	275,714,068	20.19	25.20	18.03	0	7,961,964	2,990,943	4,971,021
Dallas	586,069,318	190,772,745	395,296,573	21.98	27.21	19.46	0	12,833,025	5,190,124	7,692,901
Davis	154,346,150	27,869,764	126,476,386	20.75	27.37	19.29	0	3,202,220	762,786	2,439,434
Decatur	141,489,330	31,695,186	109,794,144	22.93	26.22	21.98	0	3,244,946	831,158	2,413,788
Delaware	327,973,600	86,632,012	241,341,588	22.51	26.10	21.22	0	7,381,728	2,261,369	5,120,359
Des Moines	678,234,229	433,898,191	244,336,038	26.76	29.70	21.54	0	18,148,882	12,884,810	5,264,072
Dickinson	418,178,541	186,905,214	231,273,327	18.73	21.80	16.25	0	7,833,285	4,075,295	3,757,991
Dubuque	1,109,070,567	769,225,574	339,844,993	29.24	31.29	24.60	0	32,432,322	24,072,889	8,359,433
Emmet	334,838,724	103,523,635	231,315,089	18.94	26.36	15.62	0	6,342,854	2,728,971	3,613,883
Fayette	492,031,035	153,330,157	338,700,878	20.59	25.19	18.51	0	10,129,325	3,860,475	6,268,850

average tax rates and total tax, Iowa counties, 1979 (continued)

	Real, Personal, Utilities — Net Taxable Valuations (Less Exemptions) (Moneys & Credits Excluded)			Average Tax Rate (Exclusive of Moneys & Credits Tax) Using Total Net Valuations for Cities			Total Tax Levied (Exclusive of Moneys & Credits Tax)			
Counties	County Total	Cities Only	Rural Districts Only	County Total	Cities Only	Rural Districts Only	State	County Total	Cities Only	Rural Districts Only
Floyd	$ 394,886,065	$ 142,529,926	$252,356,139	$22.44	$27.21	$19.75	$0	$ 8,861,812	$ 3,878,503	$4,983,309
Franklin	441,004,330	95,643,846	345,360,484	17.69	22.13	16.46	0	7,802,537	2,116,935	5,685,602
Fremont	283,831,351	34,193,775	249,637,576	18.90	25.43	18.00	0	5,363,260	869,408	4,493,852
Greene	385,709,972	86,032,635	299,677,337	18.75	24.49	17.10	0	7,230,366	2,106,755	5,123,611
Grundy	408,525,303	103,518,477	305,006,826	19.47	23.50	18.10	0	7,954,602	2,433,022	5,521,580
Guthrie	282,372,929	51,350,546	231,022,383	21.03	26.79	19.75	0	5,938,829	1,375,596	4,563,233
Hamilton	474,454,707	145,022,376	329,432,331	20.64	25.96	18.30	0	9,794,904	3,765,395	6,029,509
Hancock	481,895,328	142,269,198	339,626,130	18.18	23.57	15.92	0	8,758,739	3,353,036	5,405,703
Hardin	490,126,712	153,585,223	336,541,489	19.89	25.79	17.20	0	9,748,711	3,960,262	5,788,448
Harrison	369,979,336	76,429,844	293,549,492	19.86	24.77	18.58	0	7,348,360	1,893,059	5,455,301
Henry	323,334,698	105,664,839	217,669,859	21.62	24.35	20.05	0	6,990,476	2,626,050	4,364,427
Howard	184,589,405	51,914,937	132,674,468	25.31	32.26	22.63	0	4,676,959	1,674,807	3,002,153
Humboldt	370,540,319	101,834,499	268,705,820	17.94	22.77	16.11	0	6,648,013	2,318,409	4,329,603
Ida	261,770,424	50,373,035	211,397,389	18.88	23.55	17.77	0	4,942,899	1,186,063	3,756,837
Iowa	345,778,977	68,098,355	277,680,622	20.53	24.25	19.62	0	7,100,428	1,651,286	5,449,142
Jackson	290,254,905	109,590,755	180,664,150	26.10	28.74	24.51	0	7,576,913	3,149,524	4,427,389
Jasper	647,892,553	306,546,442	341,436,111	23.90	28.27	19.97	0	15,485,438	8,665,603	6,819,835
Jefferson	263,821,817	94,354,259	169,467,558	23.33	26.73	21.45	0	6,156,271	2,521,070	3,635,201
Johnson	1,090,292,816	745,209,853	345,082,963	27.05	29.29	22.20	0	29,488,691	21,828,220	7,660,471
Jones	333,697,043	100,190,748	233,506,295	20.43	24.17	18.82	0	6,815,841	2,421,788	4,394,053
Keokuk	292,005,576	67,620,698	224,384,878	19.46	22.70	18.49	0	5,683,193	1,535,179	4,148,014
Kossuth	743,069,953	149,650,040	593,419,913	15.19	20.02	13.98	0	11,289,514	2,995,611	8,293,903
Lee	719,688,581	425,220,738	294,467,843	23.78	25.49	21.31	0	17,115,743	10,840,194	6,275,549
Linn	2,325,490,323	1,894,156,163	431,334,160	32.20	34.94	20.17	0	74,890,390	66,189,989	8,700,400
Louisa	286,425,752	49,275,633	237,150,119	19.90	24.66	18.92	0	5,700,900	1,215,011	4,486,888
Lucas	160,741,246	64,202,598	96,538,648	25.17	28.68	22.83	0	4,045,938	1,841,511	2,204,427
Lyon	306,721,655	66,791,664	239,929,991	17.50	22.01	16.24	0	5,366,659	1,470,015	3,896,644
Madison	243,716,253	54,774,716	188,941,537	24.06	27.58	23.04	0	5,863,792	1,510,821	4,352,971
Mahaska	408,105,561	134,662,217	273,443,344	20.48	26.01	17.76	0	8,358,182	3,502,406	4,855,776
Marion	426,253,819	215,420,181	210,833,638	19.63	22.17	17.03	0	8,366,786	4,776,731	3,590,055
Marshall	763,705,979	443,021,855	320,684,124	24.82	28.29	20.02	0	18,954,745	12,534,045	6,420,700
Mills	291,414,166	58,520,376	232,893,790	20.77	26.59	19.26	0	6,051,575	1,566,128	4,485,446
Mitchell	274,861,322	69,377,049	205,484,273	19.63	24.27	18.06	0	5,395,453	1,683,674	3,711,779

average tax rates and total tax, Iowa counties, 1979 (continued)

Counties	Real, Personal, Utilities — Net Taxable Valuations (Less Exemptions) (Moneys & Credits Excluded)			Average Tax Rate (Exclusive of Moneys & Credits Tax) Using Total Net Valuations for Cities[1]			Total Tax Levied (Exclusive of Moneys & Credits Tax)			
	County Total	Cities Only	Rural Districts Only	County Total	Cities Only	Rural Districts Only	State	County Total	Cities Only	Rural Districts Only
Monona	$ 318,547,650	$ 53,467,191	$265,080,459	$18.99	$25.05	$17.76	$0	$ 6,047,804	$ 1,339,512	$4,708,292
Monroe	133,868,123	32,759,798	101,108,325	26.01	31.26	24.31	0	3,481,895	1,023,920	2,457,976
Montgomery	267,633,861	84,708,321	182,925,540	21.29	27.21	18.55	0	5,697,635	2,304,628	3,393,007
Muscatine	693,618,930	380,781,518	312,837,412	24.91	28.60	20.42	0	17,276,267	10,892,125	6,384,142
O'Brien	439,492,976	117,613,884	321,879,092	16.99	22.29	15.05	0	7,467,672	2,621,986	4,845,686
Osceola	232,457,295	46,455,038	186,002,257	19.16	25.26	17.63	0	4,453,608	1,173,539	3,280,069
Page	325,840,352	131,524,219	194,316,133	23.46	28.43	20.09	0	7,643,659	3,739,847	3,903,812
Palo Alto	379,631,791	72,492,142	307,139,649	17.30	25.07	15.47	0	6,567,341	1,817,309	4,750,033
Plymouth	542,072,720	156,247,617	385,825,103	18.45	23.28	16.49	0	9,999,148	3,636,828	6,362,320
Pocahontas	411,354,922	69,844,392	341,510,530	16.82	23.03	15.55	0	6,918,821	1,608,553	5,310,269
Polk	4,165,501,000	3,698,717,350	475,784,550	33.36	33.84	29.02	0	138,972,555	125,165,170	13,807,386
Pottawattamie	1,075,948,345	599,727,017	476,221,328	30.70	37.82	21.74	0	33,034,892	22,681,596	10,353,296
Poweshiek	367,948,370	117,482,685	250,465,685	22.92	27.49	20.58	0	8,432,748	3,279,333	5,153,415
Ringgold	143,094,363	23,365,503	119,728,860	23.51	30.25	22.19	0	3,363,947	706,877	2,657,071
Sac	361,136,617	84,157,051	276,979,566	17.33	22.33	15.81	0	6,258,115	1,878,832	4,379,283
Scott	2,291,721,445	2,014,311,483	277,409,962	22.53	22.48	22.93	0	51,639,470	45,277,827	6,361,643
Shelby	329,640,217	73,916,285	255,723,932	21.62	27.52	19.91	0	7,126,240	2,034,492	5,091,748
Sioux	568,865,148	185,370,540	383,494,608	19.49	24.74	16.96	0	11,089,778	4,586,837	6,502,941
Story	898,636,727	562,031,882	336,604,845	25.31	28.30	20.32	0	22,741,848	15,903,264	6,838,584
Tama	460,453,814	120,760,637	339,693,177	19.50	25.02	17.54	0	8,980,513	3,021,597	5,958,916
Taylor	160,797,527	31,013,051	129,784,476	21.92	26.96	20.71	0	3,524,147	836,194	2,687,953
Union	201,960,303	83,226,300	118,734,003	27.74	33.28	23.85	0	5,601,797	2,769,559	2,832,238
Van Buren	151,827,910	20,942,685	130,885,225	22.09	26.49	21.39	0	3,354,006	554,808	2,799,198
Wapello	433,133,893	255,261,307	177,872,586	32.79	38.55	24.53	0	14,204,190	9,840,462	4,363,728
Warren	433,036,079	183,368,655	249,667,424	25.30	26.71	24.25	0	10,953,774	4,898,456	6,055,318
Washington	419,879,091	128,762,476	291,116,615	19.80	22.99	18.39	0	8,314,952	2,960,358	5,354,594
Wayne	165,613,786	26,673,822	138,939,964	19.24	26.40	17.87	0	3,186,834	704,088	2,482,746
Webster	836,992,463	376,715,244	469,277,219	22.67	28.08	18.44	0	18,977,664	10,324,167	8,653,497
Winnebago	303,987,669	99,116,845	204,870,824	19.42	24.51	16.96	0	5,903,209	2,429,103	3,474,106
Winneshiek	311,417,112	101,463,746	209,953,366	25.29	29.22	23.39	0	7,875,255	2,964,534	4,910,721
Woodbury	1,650,632,731	1,068,248,244	582,384,487	27.03	32.37	17.25	161,691	44,623,394	34,580,046	10,043,348
Worth	243,996,649	43,121,894	200,874,755	19.78	25.29	18.60	0	4,826,872	1,090,502	3,736,370
Wright	472,493,189	121,608,730	350,884,459	18.63	25.29	16.33	0	8,803,802	3,075,076	5,728,725
TOTAL	$50,766,655,185	$24,368,138,893	$26,398,516,292	$23.84	$29.05	$19.04	$161,691	$1,210,525,7[illegible]4	$707,886,934	$502,638,860

[1] Figures may not add to totals due to rounding.

Source: Iowa Department of Revenue, Property Tax Division.

Iowa retail trade, 1977

SIC Code	Kind of business	All Establishments					Establishments with Payroll					
		Number		Sales[1]		Percent Change	Sales		Percent Change	Payroll entire year		Percent Change
		1977	1972	1977	1972	1972-77	1977	1972	1972-77	1977	1972	1972-77
	Retail trade[2]	28,737	28,468	9,832,778	5,847,407	68.2	9,520,876	5,651,092	68.5	1,107,386	665,770	66.3
52	Building materials, hardware, garden supply and mobile home dealers	2,184	2,202	800,342	398,255	101.0	777,962	381,080	104.1	93,553	45,556	105.4
521	Lumber and other building materials dealers	788	NA	528,727	NA	NA	522,610	237,932	119.6	62,738	29,423	113.2
525	Hardware stores	788	826	143,043	83,764	70.8	132,304	74,966	76.5	16,406	8,381	95.8
53	General merchandise group stores	921	993	1,163,706	749,796	55.2	1,157,108	744,812	55.4	156,007	107,074	45.7
531	Department stores[3]	155	123	911,279	521,141	74.9	911,279	521,141	74.9	126,035	79,413	58.7
533	Variety stores	300	391	90,577	83,001	9.1	89,350	81,650	9.4	12,137	11,988	1.2
539	Miscellaneous general merchandise stores	466	479	161,850	145,654	11.1	156,479	142,021	10.2	17,835	15,673	13.8
54	Food stores	2,529	2,996	1,969,492	1,234,543	59.5	1,937,120	1,208,586	60.3	181,634	105,383	72.4
541	Grocery stories	1,818	2,156	1,889,452	1,169,928	61.5	1,866,383	1,151,396	62.1	169,254	96,645	75.1
542	Meat and fish (seafood) markets, including freezer provisions	181	229	36,046	31,163	15.7	32,159	28,686	12.1	4,749	3,336	42.4
546	Retail bakeries	211	230	18,261	13,553	34.7	17,477	12,771	36.8	4,946	3,457	43.1
55 ex.												
554	Automotive dealers	2,159	1,971	2,230,804	1,216,838	81.1	2,201,587	1,216,835	80.9	183,843	110,323	66.6
551	Motor vehicle dealers, new and used cars	818	853	1,861,967	1,032,544	80.3	1,861,967	1,031,438	80.5	146,678	90,182	62.6
552	Motor vehicle dealers, used cars only	304	300	62,312	35,206	77.0	49,702	29,361	69.3	3,423	2,042	67.6
554	Gasoline service stations	3,424	4,484	954,073	593,127	60.9	892,689	557,093	60.2	67,406	51,572	30.7
56	Apparel and accessory stories	2,009	1,750	407,632	272,181	49.8	397,463	264,477	50.3	56,047	36,279	54.5
561	Men's and boys' clothing and furnishings stores	429	417	107,547	79,253	35.7	105,748	78,073	35.4	16,400	10,938	49.9
562	Women's ready to wear stores	630	516	130,281	80,355	62.1	128,323	78,617	63.2	17,354	10,947	58.5
565	Family clothing stores	244	223	78,738	48,149	63.5	77,586	46,612	66.5	9,530	5,750	65.7
566	Shoe stores	428	395	67,687	50,043	35.3	65,882	47,988	37.3	9,901	6,715	47.4
57	Furniture, home furnishings and equipment	2,311	1,983	450,162	266,260	69.1	422,580	252,139	67.6	62,019	36,692	69.0
571	Furniture and home furnishings stores	1,111	890	259,731	150,052	73.1	247,427	144,073	71.7	35,822	21,014	70.5
572	Household appliance stores	401	457	77,653	46,787	66.0	72,842	43,322	68.1	11,318	6,075	86.3
573	Radio, television and music stores	799	636	112,778	69,421	62.5	102,311	64,744	58.0	14,879	9,603	54.9
58	Eating and drinking places	6,193	6,277	806,416	450,670	78.9	774,473	423,773	82.8	182,875	93,259	96.1
5812	Eating places	4,000	4,051	642,187	336,027	91.1	629,452	325,166	93.6	158,557	79,222	100.1
5813	Drinking places (alcoholic beverages)	2,193	2,226	164,229	114,643	43.3	145,021	98,607	47.1	24,318	14,037	73.2
591	Drug and propriety stores	708	778	275,047	192,125	43.2	273,457	189,511	44.3	36,811	26,458	39.1
59 ex.												
591	Miscellaneous retail stores[2]	6,299	5,034	755,104	458,688	69.0	686,437	412,787	66.3	87,191	53,174	64.0
592	Liquor stores	315	285	114,167	92,282	23.7	112,030	91,651	22.2	6,965	4,163	67.3
5942	Book stores	169	103	20,895	11,493	81.8	19,199	10,687	79.6	2,617	1,471	77.9
5943	Stationery stores	52	78	8,369	7,426	12.7	8,123	7,262	11.9	1,387	1,202	15.4
5944	Jewelry stores	408	363	61,957	32,466	90.8	58,511	29,892	95.7	9,767	4,786	104.1
5947	Gift, novelty and souvenir shops	410	343	26,905	10,197	163.9	24,267	7,992	203.6	3,244	1,185	173.8
5992	Florists	399	336	34,802	21,032	65.5	32,632	19,639	66.2	6,677	4,183	59.6

[1] Includes sales taxes and finance charges in 1972 but not in 1977.
[2] Excludes nonemployer direct sellers.
[3] Includes sales from catalog order desks.
NA Not available.
Source: Census of Retail Trade, U.S. Dept. of Commerce, Social and Economic Statistics Administration issued August, 1979.

taxable retail sales by county
(thousands)

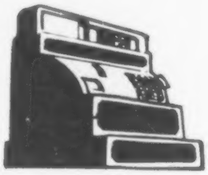
	1975[1]	1977[1]	1978[1]	1979[1]	1980[1]	1981[1]
Adair	$ 24,068	$ 29,459	$ 29,434	$ 34,662	$ 39,320	38,987
Adams	11,366	13,069	13,775	15,976	17,514	16,803
Allamakee	32,141	38,933	41,514	47,793	52,675	52,720
Appanoose	35,265	40,515	44,267	51,052	55,779	56,152
Audubon	19,642	23,385	26,776	27,572	32,742	28,933
Benton	46,093	54,165	57,781	66,588	76,492	74,606
Black Hawk	417,605	488,563	560,680	598,904	658,746	673,137
Boone	60,394	69,653	70,673	79,870	86,329	83,574
Bremer	57,835	68,838	75,310	81,560	90,122	92,349
Buchanan	41,126	50,110	54,918	62,115	69,317	66,150
Buena Vista	63,471	75,181	83,840	95,727	108,572	104,185
Butler	35,882	45,138	43,632	49,333	52,050	50,217
Calhoun	33,158	36,594	38,499	45,290	50,962	48,422
Carroll	70,011	83,143	89,758	106,168	117,779	112,462
Cass	52,014	61,775	65,890	76,445	82,205	82,826
Cedar	38,348	47,683	53,237	58,045	62,210	60,779
Cerro Gordo	166,629	194,141	209,957	231,515	244,267	249,493
Cherokee	41,031	49,746	53,739	61,608	85,051	65,937
Chickasaw	34,973	41,319	46,762	52,713	57,881	53,990
Clarke	18,549	24,229	26,062	32,357	34,502	36,225
Clay	73,777	86,759	92,963	105,445	116,553	116,970
Clayton	40,597	49,371	54,532	63,849	74,339	68,753
Clinton	146,616	166,085	182,322	203,943	222,242	230,140
Crawford	39,698	46,803	51,350	60,242	69,011	67,274
Dallas	64,721	77,807	78,783	91,428	99,692	100,277
Davis	14,688	17,667	18,327	21,701	25,007	25,403
Decatur	14,287	15,974	17,382	20,332	21,056	22,141
Delaware	37,004	45,113	49,421	57,645	63,985	61,870
Des Moines	132,279	155,192	177,350	192,748	215,639	217,059
Dickinson	43,580	54,770	59,821	65,431	69,620	67,682
Dubuque	261,201	303,949	20,311	389,423	422,979	424,539
Emmet	40,063	43,863	46,998	52,490	57,358	59,055
Fayette	64,637	79,003	84,654	94,051	104,586	101,717
Floyd	47,831	55,378	61,305	67,802	73,091	71,609
Franklin	36,873	42,099	49,818	55,184	58,565	57,434
Fremont	14,662	18,198	17,480	21,029	24,176	25,911
Greene	31,115	36,125	36,139	43,964	50,659	48,186
Grundy	33,662	39,540	38,279	43,350	47,933	47,446
Guthrie	22,203	25,217	27,931	32,833	37,298	34,516
Hamilton	49,468	55,692	59,144	67,737	74,909	70,899
Hancock	34,241	41,375	43,088	51,087	56,077	51,868
Hardin	69,586	83,973	84,221	100,762	109,944	105,757
Harrison	30,268	34,435	35,869	44,640	49,710	49,021
Henry	48,517	60,881	64,648	69,837	76,243	74,960
Howard	25,372	29,687	32,696	38,183	42,129	40,736
Humboldt	36,429	39,839	41,294	46,996	53,193	51,845
Ida	22,943	25,593	28,513	33,618	36,166	33,914
Iowa	45,205	53,655	57,212	67,374	71,150	72,886
Jackson	42,155	49,763	54,803	63,979	70,291	70,056
Jasper	88,171	104,212	110,458	129,368	42,569	138,110
Jefferson	39,012	45,354	48,974	54,132	60,702	61,176

taxable retail sales by county (continued)
(thousands)

	1975[1]	1977[1]	1978[1]	1979[1]	1980[1]	1981[1]
Johnson	$ 193,175	$ 240,715	$ 268,595	$ 289,911	$ 312,659	$ 330,529
Jones	44,116	55,509	60,263	69,347	78,123	72,002
Keokuk	25,049	32,003	33,841	38,876	41,745	38,379
Kossuth	65,651	78,401	82,343	96,509	109,440	103,426
Lee	106,747	133,718	148,802	165,807	178,256	183,719
Linn	547,697	656,240	728,817	826,831	946,043	943,121
Louisa	18,677	21,573	23,153	25,213	29,453	30,752
Lucas	22,446	23,873	25,901	29,537	33,718	34,462
Lyon	23,484	28,151	30,994	37,621	41,048	36,638
Madison	21,365	25,119	26,710	30,747	33,406	32,701
Mahaska	63,302	74,528	80,033	94,507	100,306	95,234
Marion	69,132	76,452	78,931	91,856	101,191	98,000
Marshall	127,730	145,994	156,431	172,364	179,748	184,688
Mills	17,865	21,246	24,137	28,510	31,897	32,109
Mitchell	28,345	31,924	34,376	41,375	45,004	41,840
Monona	30,513	36,665	38,987	44,727	48,390	43,537
Monroe	15,977	18,801	20,321	23,891	26,436	26,157
Montgomery	38,634	44,074	44,711	50,628	57,157	57,633
Muscatine	101,020	122,276	132,349	147,897	158,679	168,646
O'Brien	42,270	49,528	57,692	64,541	71,512	66,445
Osceola	18,654	20,700	24,402	28,829	30,335	28,276
Page	55,357	67,461	69,122	77,812	85,983	81,692
Palo Alto	28,963	33,378	36,020	41,048	44,314	42,448
Plymouth	52,544	58,951	64,906	74,817	82,242	77,700
Pocahontas	31,092	34,023	34,924	40,477	44,047	41,999
Polk	1,261,211	1,474,086	1,639,611	1,819,133	2,020,684	2,026,193
Pottawattamie	159,474	205,981	226,951	259,504	282,253	298,492
Poweshiek	48,292	55,902	61,149	70,230	78,112	78,015
Ringgold	11,024	14,083	14,124	17,980	19,804	18,140
Sac	38,217	42,598	45,432	51,908	56,080	50,378
Scott	493,954	575,987	664,377	738,275	807,558	831,452
Shelby	35,610	40,058	42,135	52,400	59,447	56,784
Sioux	67,751	82,006	90,761	110,306	122,809	112,338
Story	161,680	199,425	214,753	244,784	265,745	275,838
Tama	48,266	52,362	54,906	63,276	73,328	69,247
Taylor	13,771	16,052	17,500	20,307	21,979	19,757
Union	35,240	41,694	45,619	50,963	57,760	55,236
Van Buren	12,082	13,814	14,734	17,156	19,059	17,961
Wapello	102,421	118,266	123,840	137,808	152,253	158,106
Warren	40,117	48,330	52,767	62,639	67,243	64,938
Washington	56,284	70,675	74,461	82,222	88,183	84,783
Wayne	14,281	15,683	16,771	20,269	23,071	20,935
Webster	165,329	191,540	208,577	227,555	254,231	247,918
Winnebago	32,891	38,918	40,702	45,442	48,483	46,620
Winneshiek	41,921	48,925	55,717	64,565	71,450	72,660
Woodbury	350,143	428,305	446,327	489,381	506,609	521,630
Worth	18,464	20,480	21,425	26,177	28,614	25,690
Wright	51,280	59,698	63,555	71,445	74,329	72,874
State	$8,040,975	$9,695,572	10,599,259	$11,937,333	$13,092,630	$13,112,407

[1] For 12 months beginning April 1 and ending March 31.
Source: Retail Sales and Use Tax Report Annual Report, Iowa Department of Revenue.

taxable retail sales by product class[1], Iowa (thousands)



	1975[2]	1976[2]	1977[2]	1978[2]	1979[2]	1980[2]	1981[2]
Food Dealers	$ 694,125	$ 395,478	$ 442,941	$ 479,186	$ 521,913	$ 566,982	$ 633,131
Eating and Drinking	436,612	638,437	725,120	790,873	885,818	983,575	1,057,482
Apparel	256,288	280,858	314,885	341,140	369,730	401,451	409,041
General Merchandise	N/A	929,941	1,016,941	1,148,175	1,220,533	1,305,139	1,378,502
Speciality retail	N/A	638,963	741,756	819,616	902,409	1,010,016	1,044,113
Home Furnishing	284,678	346,303	395,395	435,240	469,590	511,106	475,254
Motor Vehicle	N/A	599,198	651,815	40,184	779,410	856,845	902,574
Filling Stations	304,410	284,837	305,940	322,104	343,920	391,397	448,491
Auto Dealers & Garage	242,218	283,292	311,159	335,992	386,231	210,925	195,406
Building Materials	N/A	624,955	733,556	835,013	929,834	991,200	852,565
Wholesale goods	N/A	1,388,395	1,563,132	1,690,053	2,071,233	2,344,808	2,083,336
Services	546,815	860,013	953,322	1,048,011	1,176,384	1,304,607	1,326,372
Utilities & Trans.	N/A	1,009,741	1,175,982	1,309,175	1,486,445	1,622,413	1,785,196
Miscellaneous	N/A	724,206	790,336	990,435	890,004	966,462	887,712
Total	$8,040,975	$8,608,073	$9,695,572	$10,599,259	$11,937,333	$13,112,407	$13,092,630

[1] Beginning July 1, 1974, food and drugs were exempt from sales tax. The exemption does not apply to food sold as part of a meal.
[2] For the 12 months beginning April 1 and ending March 31.
Source: Retail Sales and Use Tax Annual Report, Iowa Department of Revenue.

Iowa wholesale trade, 1977

SIC Code	Kind of business	Establishments 1972	Establishments 1977	Sales (000's) 1972	Sales (000's) 1977	Payroll entire year (000's) 1972	Payroll entire year (000's) 1977	Percent change 1972 to 1977 Sales[2]	Percent change 1972 to 1977 Payroll entire year
	Wholesale trade[3]	8,204	7,646	9,969,239	20,078,789	491,445	825,097	101.4	67.9
501	Motor vehicles, automotive parts and supplies	583	647	655,371	1,223,713	40,420	66,302	86.7	64.0
502	Furniture and home furnishings	50	64	64,378	86,129	7,707	10,593	33.8	37.4
503	Lumber and other construction materials	188	185	234,701	447,941	19,579	34,297	90.9	75.2
504	Sporting, recreational, photographic, and hobby goods, toys, and supplies	67	67	55,249	94,251	6,626	7,085	70.6	6.9
505	Metals and minerals, except petroleum	53	66	236,012	283,196	5,863	11,041	20.0	88.3
506	Electrical goods	239	280	324,180	530,144	19,769	35,315	63.5	78.6
507	Hardware, plumbing, heating (equipment and supplies)	268	240	165,242	283,366	18,978	31,060	71.5	63.7
508	Machinery, equipment and supplies	1,550	1,678	1,142,319	2,575,283	115,605	220,477	125.4	90.7
511	Paper and paper products	109	113	80,744	150,785	9,185	16,866	86.7	83.6
512	Drugs and drug propietaries and drug sundries	39	25	56,974	56,916	4,353	3,575	-0.1	-17.9
513	Apparel, piece goods and notions	29	27	26,003	19,022	2,285	1,362	-26.8	-40.4
514	Groceries and related products	468	422	1,523,803	2,532,984	59,448	89,192	66.2	50.0
515	Farm products and raw materials	1,283	1,334	3,386,326	7,498,061	56,312	107,942	121.4	91.7
516	Chemicals and allied products	55	70	36,445	88,654	3,396	7,060	143.3	107.9
517	Petroleum and petroleum products	1,339	717	582,590	1,145,326	33,531	38,774	96.6	15.6
518	Beer, wines and distilled alcoholic beverages	110	113	92,162	157,124	8,057	13,799	70.5	71.3

Note: Percentages are based upon current dollars for both 1972 and 1977 with no adjustment for price increases.
[1] Including merchant wholesalers, manufacturers' sales, branches and offices, and agents, brokers and commission merchants.
[2] Sales taxes and finance charges were included in 1972 but not in 1977.
[3] Including 509 and 519; therefore, detail will not add to total.
Source: Census of Wholesale Trade, U.S. Department of Commerce, Business Division, issued October, 1979.

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communications media in Iowa

	1960	1965	1970	1977	1978	1979	1980	1981
Telephones in use[1]								
Business	243,406	284,000	381,747	521,531	518,470	541,869	551,570	N/A
Residential	892,627	1,044,000	1,242,500	1,622,821	1,663,311	1,690,656	1,771,537	N/A
Total	1,136,033	1,328,000	1,624,247	2,144,352	2,181,781	2,232,525	2,323,107	N/A
Telephones per 100 population	41.2	48.1	57.5	74.7	74.5	76.7	79.7	N/A
Households with telephone service (%)	88	95	96	98	98	98	98	N/A
Newspapers[2]								
Daily—Number	45	43	43	40	40	40	40	41
Net paid circulation	944,000	969,000	1,000,000	901,000	639,753	638,203	638,203	640,552
Morning—Number	4	4	5	4	4	4	7	7
Net paid circulation	289,000	301,000	331,000	325,000	342,754	352,068	451,228	452,461
Evening—Number	42	41	40	37	38	38	35	35
Net paid circulation	655,000	668,000	669,000	576,000	632,795	634,878	483,162	499,824
Sunday—Number	9	9	9	9	9	9	9	9
Net paid circulation	831,000	857,000	845,000	767,000	764,835	757,231	745,039	743,019
Weeklies—Number	368	356	346	376	342	339	339	341
Net paid circulation	649,832	674,739	688,389	770,778	792,837	780,663	780,663	779,321
Commercial broadcast[3]								
Stations—Total	80	94	120	161	168	189	196	195
Radio—Total	68	82	108	147	153	174	179	173
A.M.	61	68	73	76	78	85	85	84
F.M.	7	14	35	71	75	89	89	89
Television	12	12	12	14	15	15	15	15
Satellite T.V. Stations						7	7	7

Non-Commercial broadcast[3]	
Stations—Total	13
Radio—Total	12
AM	4
FM	8
Television	1

Cable T.V.[4]	
Systems	105
Subscription	225,000[E]

[E] (estimated)
[1] Iowa Commerce Commission.
[2] Iowa Press Association.
[3] Iowa Broadcasters Association Directory.
[4] Iowa Cable T.V. Association.
N/A Not Available

housings units - midwest states, 1970

	Illinois	Iowa	Kansas	Minnesota	Missouri	Nebraska	South Dakota	Wisconsin
All Housing Units	3,703,367	964,060	789,196	1,276,198	1,673,361	515,069	225,253	1,472,466
Vacant-Seasonal and Migratory	10,452	9,259	1,774	57,498	9,238	3,178	3,533	58,361
All Year-Round Housing Units	3,692,915	954,801	787,422	1,218,700	1,664,123	511,891	221,720	1,414,105
Percent in One-Unit Structure	59.5	82.0	81.9	73.5	73.8	79.7	80.4	70.7
Population								
Population in Housing Units, 1970	10,830,183	2,733,699	2,160,877	3,692,374	4,538,217	1,431,184	637,741	4,283,702
Per Occupied Unit	3.1	3.0	3.0	3.2	3.0	3.0	3.2	3.2
Owner	3.3	3.1	3.0	3.5	3.1	3.1	3.3	3.5
Renter	2.7	2.8	2.8	2.5	2.7	2.8	3.0	2.7
Population in Housing Units, 1960	9,819,235	2,687,341	2,114,424	3,325,196	4,202,858	1,371,828	660,184	3,854,086
Per Occupied Unit	3.2	3.2	3.1	3.4	3.1	3.2	3.4	3.4
All Occupied Units	3,502,138	896,311	727,364	1,153,946	1,520,567	473,721	200,807	1,328,804
Owner Occupied	2,081,101	642,676	502,585	824,629	1,021,106	314,600	139,681	918,123
Percent of all Occupied	59.4	71.7	69.1	71.5	67.2	66.4	69.6	69.1
Owner-Median Value	$19,800	$13,900	$12,100	$18,000	$14,400	$12,400	$11,400	$17,300
Renter-Median Rent	$ 107	$ 77	$ 75	$ 101	$ 74	$ 77	$ 69	$ 91

Source: "1970 General Housing Characteristics," Dec 1971, U.S. Department of Commerce, Bureau of the Census.

new residential construction, midwest states authorized permit issuing places

	1970		1975		1978		1979		1980	
	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
United States	1,384,028	$19,663,561	949,234	$24,107,069	1,801,514	$58,937,794	1,552,920	$56,372,491	1,207,174	$47,156,286
Iowa	11,074	158,881	14,706	331,981	17,161	554,402	13,345	466,353	8,917	311,937
Minnesota	25,465	409,760	19,162	547,831	37,823	1,438,768	29,365	1,229,581	21,741	974,133
South Dakota	2,440	29,493	3,103	66,283	5,289	154,367	3,914	120,262	3,100	97,473
Nebraska	8,014	89,667	7,927	163,970	10,937	289,575	8,785	277,221	6,906	207,765
Kansas	9,906	149,634	12,106	323,686	15,856	578,040	13,292	519,606	10,930	434,523
Missouri	23,344	326,392	16,135	401,616	29,065	895,888	19,384	656,708	13,736	458,743
Illinois	54,204	907,026	39,325	1,084,862	72,163	2,735,781	45,807	1,853,075	26,659	1,086,542
Wisconsin	23,175	332,951	26,002	635,564	37,651	1,302,691	26,524	980,531	18,510	689,816

Source: Construction Reports — Housing Authorized by Building Permits and Public Contracts, U.S. Department of Commerce, Bureau of the Census.

number and valuation of permits issued for new dwellings

	1975		1978		1979		1980	
City	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
Ames	256	$ 5,062.8	196	$ 11,129.4	137	$ 7,412.0	60	$ 5,204.1
Bettendorf	299	9,949.5	262	12,482.0	138	7,252.6	66	6,439.5
Burlington	65	2,350.7	88	4,833.4	41	2,323.9	28	1,951.2
Cedar Falls	174	8,476.3	141	8,578.6	105	6,059.3	81	6,493.8
Cedar Rapids	455	12,470.2	537	24,417.2	456	22,207.9	167	7,607.0
Clinton	45	1,837	60	4,363.1	52	4,673.4	46	3,225.5
Council Bluffs	51	871.4	124	3,425.3	156	3,224.3	70	2,175.3
Davenport	433	12,815.2	487	23,792.2	414	20,527.0	207	12,388.3
Des Moines	259	16,737.5	490	29,287.3	327	19,294.1	428	16,124.0
Dubuque	244	7,089.5	179	9,066.1	196	13,059.6	75	3,961.0
Ft. Dodge	72	2,018.5	98	4,301.5	45	2,339.5	41	4,305.0
Iowa City	232	10,381.8	215	12,384.7	157	11,713.8	100	10,456.7
Keokuk	7	193.0	36	1,059.3	24	841.5	61	3,772.9
Marion	90	2,481.0	165	6,032.9	195	10,884.2	114	6,223.4
Marshalltown	166	3,400.0	81	3,435.0	22	1,056.0	18	1,093.0
Mason City	53	2,493.8	99	5,322.2	61	4,080.4	47	7,036.9
Muscatine	72	3,749.8	66	3,277.9	62	2,850.1	43	7,113.8
Newton	26	869.7	68	3,662.5	39	3,040.9	20	3,760.0
Ottumwa	37	1,144.8	73	3,085.0	63	3,380.0	47	4,804.7
Sioux City	502	8,954.5	149	6,057.7	85	6,523.4	83	1,982.1
Urbandale'	NA	NA	NA	NA	222	13,609.7	127	8,329.6
Waterloo	269	9,906.7	261	12,720.3	229	14,618.3	294	13,721.1
West Des Moines	115	6,091.5	158	8,089.8	112	11,241.6	68	6,436.7
TOTAL	3,922	$129,345.2	4,033	$200,803.4	3,338	$193,212.9	2,291	$144,605.6

Source: Research Division, Iowa Development Commission.

value of new construction, Iowa
(thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Totals
1980	$123,900	$56,600	$106,700	$136,800	$200,100	$145,800	$163,600	$131,200	$147,000	$144,900	$119,100	$122,800	$1,558,100
1979	73,236	53,183	147,467	147,606	287,279	214,837	158,720	176,380	158,786	193,241	106,364	663,684	2,387,317
1978	59,801	76,899	414,733	161,298	316,356	238,580	205,105	174,592	173,965	182,131	139,023	75,598	2,219,229
1977	48,693	55,174	133,417	131,420	168,807	149,278	167,181	161,213	124,248	145,207	127,728	95,655	1,509,082
1976	41,998	57,711	100,085	106,509	120,457	125,122	185,863	127,528	129,654	125,533	215,298	93,663	1,425,785
1975	35,490	38,213	57,082	94,270	124,380	364,167	105,512	95,145	107,006	112,444	63,153	54,608	1,252,180
1974	49,598	54,448	88,233	93,399	102,662	172,485	107,825	114,415	68,172	73,833	88,572	62,340	1,077,942
1970	37,895	62,098	43,835	48,426	74,185	84,441	92,815	67,216	55,985	59,911	41,753	41,039	709,679

Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, Proprietary Data provided by special permission.

new residential construction, smsa's

	1973		1975		1978		1979		1980	
Iowa SMSA's	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
Cedar Rapids	1,158	$17,483	1,318	$22,636	1,713	$ 44,512	1,755	$45,435	822	$21,923
Davenport	2,923	46,342	2,487	54,780	2,949	93,204	2,426	87,442	1,591	55,970
Des Moines	2,013	41,219	2,353	62,369	3,184	104,192	2,488	84,353	1,262	47,683
Dubuque	339	5,422	434	8,794	460	16,559	530	20,088	199	9,332
Iowa City	N/A	N/A	N/A	N/A	N/A	N/A	582	23,578	437	19,699
Omaha-Council Bluffs	5,207	58,073	2,711	42,061	3,765	84,436	3,125	71,931	2,839	59,287
Sioux City	358	6,612	927	16,862	512	15,809	372	12,717	213	6,471
Waterloo	354	4,893	1,114	23,071	930	26,424	782	23,928	747	23,100

Source: Construction Reports—Housing Authorized by Building Permits and Public Contracts, U.S. Department of Commerce, Bureau of the Census.

Iowa's construction industry, 1972
(dollars in thousands)

Industry Group and Industry	Total Number of Establishments	All Employees (Average)	Total Payroll	Total Receipts	Value Added	Total Capital Expenditures Other than Land	Rental Payments for Machinery and Equipment
Construction Industries, Total	6,380	41,581	365,428	1,449,105	669,249	53,602	12,521
Contract Construction Industries:							
General Building Contractors	1,901	13,521	110,764	575,707	192,462	8,070	1,587
Heavy Construction Contractors:							
Highway & Street Construction	188	4,272	41,406	190,236	74,787	17,467	4,133
Heavy Construction, N.E.C.	286	1,742	14,299	59,815	36,385	5,046	242
Special Trade Contractors:							
Plumbing, Heating, Air Conditioning	846	5,399	52,687	180,536	93,573	2,694	463
Painting, Paper Hanging, Decorating	395	1,073	8,143	19,320	15,039	610	90
Electrical Work	518	3,152	31,418	89,478	48,698	1,791	382
Masonry, Stonework, and Plastering:							
Masonry and Other Stonework	201	1,211	10,399	24,160	16,007	753	139
Plastering, Drywall, Insulation	130	867	9,185	25,231	16,127	264	62
Terrazzo, Tile, Marble, Mosaic Work	29	129	849	(D)	(D)	(D)	(S)
Carpentering and Flooring:							
Carpentering	429	1,512	8,747	(D)	(D)	326	(D)
Floor Laying and Floor Work, N.E.C.	114	225	1,298	8,316	4,583	53	—
Roofing and Sheet Metal Work	280	1,939	17,235	46,474	27,527	633	211
Concrete Work	253	1,336	10,652	37,075	21,060	2,026	282
Miscellaneous Special Trade Contractors:							
Structural Steel Erection	22	215	1,475	3,014	2,407	170	70
Excavating and Foundation Work	306	1,133	8,956	29,790	21,609	5,105	1,451
Wrecking and Demolition Work	11	76	517	1,270	1,066	183	45
Installing Building Equipment, N.E.C.	26	131	1,162	(D)	3,091	39	(D)
Special Trade Contractors, N.E.C.	114	(D)	(D)	11,604	7,293	305	43
Subdividers and Developers and Operative Builders:							
Subdividers and Developers, N.E.C.	33	357	3,177	11,754	3,726[1]	1,423	(D)

Standard Notes: (D) Withheld to avoid disclosing figures for individual companies. All such figures are included in higher-level totals.
(S) Withheld because estimate did not meet publication standards either on the basis of the associated standard error or on the basis of a consistency review.

N.E.C.—Not elsewhere classified

[1] The "Value added" computation for these industries is "Total receipts" less "Land receipts" less "Total selected payments."
Source: 1972 Census of Construction Industries, U.S. Department of Commerce, Bureau of the Census, issued July, 1975

Iowa kids stay in school

Enrollment

Grade	1970-71	1973-74	1974-75	1975-76	1976-77	1978-79[1]	1979-80[1]	1980-81[1]
Kindergarten	50,219	44,185	44,225	45,790	44,920	39,631	40,572	43,449
First	49,890	41,593	40,211	40,890	42,375	42,799	39,608	39,364
Second	49,547	40,880	39,725	39,051	39,873	44,641	41,210	38,205
Third	50,510	43,292	40,095	39,461	38,710	45,461	44,200	40,715
Fourth	51,264	46,510	43,402	40,635	39,903	44,030	45,236	44,174
Fifth	50,314	47,771	46,072	43,225	40,807	43,009	43,742	44,839
Sixth	49,762	49,322	47,999	46,410	44,027	44,234	42,970	43,520
Ungraded Elem.	6,205	8,197	7,387	6,566	5,013	3,341	2,473	2,698
Total K-6	357,711	321,750	309,116	302,028	295,785	307,146	300,011	296,964
Seventh	48,918	52,335	51,080	49,570	47,742	46,105	44,606	43,239
Eighth	49,737	51,628	51,978	50,961	49,646	48,798	45,686	44,326
Ninth	50,725	52,307	52,447	53,099	51,780	52,268	48,683	45,848
Ungraded Jr. High	*	453	448	242	333	304	434	196
Total 7-9	149,380	156,722	155,953	153,872	146,313	147,475	139,409	133,609
Tenth	49,961	48,612	51,091	51,612	51,926	52,988	50,479	47,354
Eleventh	47,817	47,678	46,106	49,085	49,114	51,983	50,243	48,794
Twelfth	44,744	45,209	44,286	43,569	46,044	50,117	48,984	47,925
Ungraded Sr. High	190	174	173	262	356	1,108	1,270	1,314
Total 10-12	142,712	141,673	141,656	144,528	150,060	156,196	150,976	145,387
Special Education	9,766	10,577	10,355	10,410	11,027	10,918	10,469	10,401
Post H.S.	7	*						
Grand Total	659,576	630,722	617,080	610,838	603,596	621,735	600,865	586,361

[1] Data includes approved Public and Private schools in Iowa.

Source: Iowa Department of Public Instruction.

Iowans place a premium on education

Iowa has the nation's highest literacy rate because it has one of the nation's best school sytems. Traditionally, Iowa's 441 public school districts have been in the forefront of new trends in school financing, teaching methods, administration and curriculum. This attitude is supported by the 231 parochial and private schools.

Iowa has three state universities, 37 private ones, and 15 area vocational schools and area community schools.

The University of Iowa, Iowa City, has 26,464 enrollees. Its University Hospital facility is one of the nation's finest medical and educational institutions, often compared to the Mayo Clinic. The campus boasts the charming, "Old Capitol," well preserved seat of Iowa's first formal government.

Iowa State University, Ames, has 24,202 students in eight major fields: Agriculture, Agricultural Engineering, Home Economics, Science and Humanities, Veterinary Medicine, Education, Engineering and graduate studies. The university pioneered some of the advances in nuclear energy research and is a major developer of uses for agricultural products. The university also maintains an extension service that works closely with Iowans and their communities on a wide variety of social and economic projects.

The University of Northern Iowa, Cedar Falls, has 10,954 students. Originally a state teachers college, it now attracts students in a variety of fields, including business, in addition to teacher education. At the doctoral level it offers the Doctor of Industrial Technology, the only degree of its kind in the nation. A feature of its attractive campus is the UNI-Dome, a multi-purpose arena for sports and other events.

dropping out is not "in" among Iowa's students

Twelfth grade enrollment as a percentage of ninth grade for Iowa.

School year	%	School year	%
1966-67	91.5	1973-74	89.1
1967-68	92.1	1974-75	87.1
1968-69	93.0	1975-76	87.4
1969-70	93.0	1976-77	88.0
1970-71	91.8	1978-79	94.4
1971-72	90.6	1979-80	94.6
1972-73	90.9	1980-81	95.4

Source: Research Division, Iowa Development Commission.

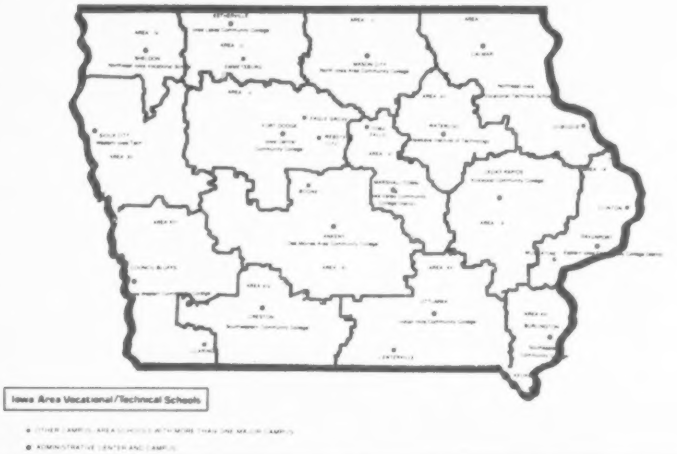
many Iowans go on to higher learning

Total Enrollment

Type of Institution	Fall 1960	Fall 1965	Fall 1970	Fall 1975	Fall 1977	Fall 1978	Fall 1979	Fall 1980
State Universities	24,451	36,770	49,291	53,004	55,911	56,497	57,217	60,388
Private Colleges and Universities	24,282	35,838	35,473	32,883	33,890	35,935	36,662	37,252
Professional & Technical Colleges	283	308	1,503	2,725	2,354	2,326	2,380	2,420
Public Junior Colleges & Area Schools	3,148	9,238	20,518	29,832	30,453	31,821	31,754	35,483
Private Junior Colleges	1,915	2,794	3,520	3,040	3,334	4,075	3,897	4,030
All INSTITUTIONS	54,079	84,948	110,305	121,484	125,942	130,654	131,910	139,573

Source: Iowa College and University Enrollment, Iowa College Aid Commission.

area schools, an Iowa "success story"



Iowa's area colleges provide an exceptionally wide variety of opportunities. Programs are offered through the adult education division, career education division and college parallel division.

The growth of the area colleges has been impressive. In the 1965-66 school year, there were only 25 different occupational programs available. This number has increased to 115 different full-time preparatory career programs during the fall of the 1980-81 school year.

area college[1] enrollment in 1980 fall term shows state-wide impact

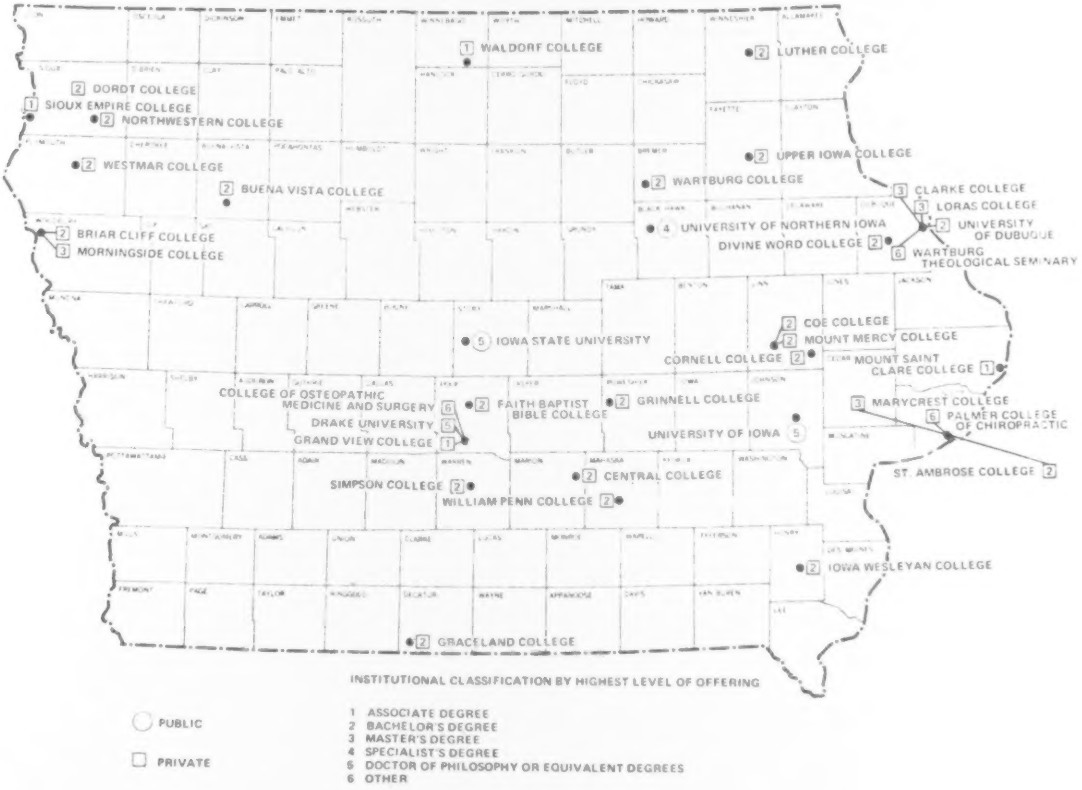
	Career Education		College Parallel		Other Programs		Agricultural Production for Veterans		Secondary School Programs		Total Enrollments	
	Fall 1979	Fall 1980	Fall 1979	Fall 1980	Fall 1979	Fall 1980	Fall 1979	Fall 1980	Fall 1979	Fall 1980	Fall 1979	Fall 1980
I. N.E. Iowa Voc-Tech School 1. Calmar 2. Peosta	897	987	—	—	—	—	61	39	134	160	1,092	1,186
II. North Iowa Area Community College 1. Mason City	602	685	1,232	1,478	—	—	45	—	—	—	1,879	2,163
III. Iowa Lakes Community College 1. Emmetsburg 2. Estherville	886	726	386	666	—	—	17	—	316	344	1,605	1,736
IV. N.W. Iowa Technical College 1. Sheldon	426	489	—	—	—	—	—	—	9	2	435	491
V. Iowa Central Community College 1. Eagle Grove 2. Fort Dodge 3. Webster City	868	843	1,179	1,414	—	—	124	70	516	613	2,687	2,940
VI. Iowa Valley Community College 1. Iowa Falls 2. Marshalltown	577	663	1,302	1,507	—	—	23	20	16	—	1,918	2,190
VII. Hawkeye Institute of Technology 1. Waterloo	1,641	1,907	—	—	—	—	10	—	17	19	1,668	1,926
IX. Eastern Iowa Community College 1. Bettendorf 2. Clinton 3. Davenport 4. Muscatine	1,237	1,503	2,112	2,072	292	572	—	—	230	193	3,871	4,340
X. Kirkwood Community College 1. Cedar Rapids	2,174	2,260	2,528	2,726	—	—	—	—	491	417	5,193	5,403
XI. Des Moines Area Community College 1. Ankeny 2. Boone 3. Carroll	2,382	2,677	3,022	3,570	—	—	76	39	274	100	5,754	6,386
XII. Western Iowa Technical College 1. Sioux City	1,268	1,323	—	—	—	357	15	—	5	—	1,288	1,680
XIII. Iowa Western Community College 1. Clarinda 2. Council Bluffs	975	1,067	1,357	1,537	—	—	52	17	353	430	2,737	3,051
XIV. Southwest Community College 1. Creston	261	264	274	305	—	—	26	8	54	51	615	628
XV. Indian Hills Community College 1. Centerville 2. Ottumwa 3. Ottumwa Heights	903	1,034	452	555	—	—	46	28	31	43	1,432	1,660
XVI. Southeastern Community College 1. Burlington 2. Keokuk	642	664	1,177	1,240	164	171	43	—	34	15	2,060	2,090
GRAND TOTALS	15,739	17,092	15,021	17,070	456	1,100	538	221	2,480	2,387	34,234	37,870

Source: Iowa College and University Enrollment.

COLLEGES AND UNIVERSITIES . . .

Iowa's colleges and universities have been a continuous source of both management-level personnel and industrial scientists. In addition, many employees are using the state's educational facilities to improve their value by working toward advanced degrees.

Iowa's colleges and universities


1 WALDORF COLLEGE
2 LUTHER COLLEGE
2 DORDT COLLEGE
1 SIOUX EMPIRE COLLEGE
2 NORTHWESTERN COLLEGE
2 WESTMAR COLLEGE
2 UPPER IOWA COLLEGE
2 BUENA VISTA COLLEGE
2 WARTBURG COLLEGE
3 CLARKE COLLEGE
3 LORAS COLLEGE
2 UNIVERSITY OF DUBUQUE
4 UNIVERSITY OF NORTHERN IOWA
DIVINE WORD COLLEGE 2
6 WARTBURG THEOLOGICAL SEMINARY
2 BRIAR CLIFF COLLEGE
3 MORNINGSIDE COLLEGE
2 COE COLLEGE
2 MOUNT MERCY COLLEGE
5 IOWA STATE UNIVERSITY
CORNELL COLLEGE 2
MOUNT SAINT CLARE COLLEGE 1
COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY 6
2 FAITH BAPTIST BIBLE COLLEGE
2 GRINNELL COLLEGE
3 MARYCREST COLLEGE
6 PALMER COLLEGE OF CHIROPRACTIC
DRAKE UNIVERSITY 5
GRAND VIEW COLLEGE 1
UNIVERSITY OF IOWA 5
2 CENTRAL COLLEGE
ST. AMBROSE COLLEGE 2
SIMPSON COLLEGE 2
WILLIAM PENN COLLEGE 2
2 IOWA WESLEYAN COLLEGE
2 GRACELAND COLLEGE
INSTITUTIONAL CLASSIFICATION BY HIGHEST LEVEL OF OFFERING
○ PUBLIC
☐ PRIVATE
1 ASSOCIATE DEGREE
2 BACHELOR'S DEGREE
3 MASTER'S DEGREE
4 SPECIALIST'S DEGREE
5 DOCTOR OF PHILOSOPHY OR EQUIVALENT DEGREES
6 OTHER

higher education in the midwest

	1977-78				1978-79			
State	Bachelor's Degrees (Requiring 4 or 5 Years)	First Professional Degrees (Requiring at Least 6 Years)	Master's Degrees	Doctor's Degrees (Ph.D., Ed.D., 4 or 5 Years)	Bachelor's Degrees (Requiring 4 or 5 Years)	First Professional Degrees (Requiring at Least 6 Years)	Master's Degrees	Doctor's Degrees (Ph.D., Ed.D., 4 or 5 Years)
United States	921,204	66,581	311,620	32,131	921,390	68,848	301,079	32,730
Illinois	43,451	4,643	17,423	1,874	43,485	4,670	16,550	1,943
Iowa	13,199	1,592	2,470	515	13,378	1,428	2,535	552
Kansas	11,621	660	3,645	480	11,786	725	3,268	384
Minnesota	18,185	1,454	3,554	501	18,467	1,654	3,317	474
Missouri	21,818	2,177	8,147	593	22,034	2,276	7,714	688
South Dakota	3,750	124	659	50	3,689	119	683	45
Nebraska	7,657	680	1,816	206	7,398	809	1,721	200
Wisconsin	21,347	890	5,438	757	21,734	900	5,320	807

Source: U.S. Department of Health, Education and Welfare, Digest of Educational Statistics — 1981 Edition.

freshman enrollment in institutions of higher learning, Iowa

Type of Institution	Fall 1960	1965	1970	1975	1977	1978	1979	1980
State Institutions	5,253	7,708	8,170	8,367	9,078	9,158	9,080	9,825
Private Colleges and Universities	7,683	9,734	8,921	7,668	8,035	8,516	8,694	8,478
Professional and Technical Colleges	—	—	259	—	—	—	—	—
Area Schools	1,852	5,776	12,082	12,996	13,509	13,971	16,022	17,266
Private Junior Colleges	1,099	1,581	1,802	1,257	1,421	1,540	1,587	393
ALL INSTITUTIONS	15,887	24,799	31,234	30,288	32,043	33,185	35,383	35,962

Source: Iowa College Aid Commission.

Number of persons 25 years old and over by years of school completed, 1970

State	No School Completed	Elementary 8 Years	High School 4 Years	College 4 Years
United States	1,767,753	14,015,364	34,158,051	6,657,604
Illinois	75,188	985,378	1,944,720	363,454
Iowa	8,513	284,531	596,649	84,035
Kansas	8,110	197,614	438,583	80,766
Minnesota	14,137	386,155	687,242	131,154
Missouri	24,286	520,115	795,144	134,282
Nebraska	5,772	139,501	299,440	46,067
South Dakota	2,052	86,684	108,908	18,647
Wisconsin	20,749	441,159	811,048	134,420

Source: U.S. Department of Commerce, Bureau of the Census, Tables 156 & 157 — PC (1) — C1 U.S. Summary, 1970 Census of Population.

Estimated average salaries of all teachers in public schools

	1966-67	1970-71	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
Iowa	$6,396	$9,103	$9,863	$10,867	$11,570	$12,320	$13,402	$14,202	$15,150	$15,150
United States	6,830	9,269	10,778	12,670	12,600	13,297	14,247	15,040	16,001	15,966

Source: National Education Association, Research Division, Iowa Department of Public Instruction.

Number of public and nonpublic Iowa high school graduates, by sex: 1978-79

Public High School Graduates			Nonpublic High School Graduates		
Total	Boys	Girls	Total	Church Related	Not Church Related
44,488	22,028	22,460	4,800	4,790	10

Estimated expenditures for Iowa public elementary and secondary education: 1979-80

(In Thousands of Dollars)

	Current Expenditures		
Total Expenditures	Public Elementary and Secondary Day Schools	Capital Outlay	Interest on School Debt
$1,209,060	$1,122,858	$65,420	$18,378

Source: U.S. Department of Health, Education and Welfare, Digest of Educational Statistics — 1981 Edition.

Iowa school enrollment 1980-81

(Primary and Secondary Education)

County Name	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Adair	688	311	365	—	1,364	—	1,364
Adams	447	174	251	28	900	—	900
Allamakee	1,521	862	945	55	3,383	185	3,568
Appanoose	1,380	670	668	68	2,786	108	2,894
Audubon	680	376	428	15	1,499	—	1,499
Benton	2,337	1,169	1,329	78	4,913	133	5,046
Black Hawk	11,068	4,947	5,240	575	21,830	3,727	25,557
Boone	2,101	974	1,122	61	4,258	224	4,482
Bremer	3,343	1,621	1,705	28	6,697	317	7,014
Buchanan	1,824	869	953	55	3,701	430	4,131
Buena Vista	1,638	720	823	49	3,230	372	3,602
Butler	1,672	774	830	15	3,291	—	3,291
Calhoun	1,421	677	780	35	2,913	—	2,913
Carroll	1,488	623	733	60	2,904	2,441	5,345
Cass	1,778	808	926	40	3,552	—	3,552
Cedar	1,936	977	1,032	29	3,974	11	3,985
Cerro Gordo	3,932	1,651	1,923	208	7,714	674	8,388
Cherokee	1,619	748	785	47	3,199	—	3,199
Chickasaw	1,376	770	877	38	3,061	240	3,301
Clarke	916	383	365	30	1,694	—	1,694
Clay	1,745	811	916	30	3,502	214	3,716
Clayton	1,998	996	1,097	38	4,129	207	4,336
Clinton	5,474	2,690	2,820	260	11,244	965	12,209
Crawford	1,804	870	1,072	42	3,788	433	4,221
Dallas	3,376	1,446	1,529	105	6,456	218	6,674
Davis	827	372	389	20	1,608	—	1,608
Decatur	872	397	415	—	1,684	—	1,684
Delaware	1,680	984	1,088	36	3,788	279	4,067
Des Moines	4,452	2,011	1,958	186	8,607	482	9,089
Dickinson	1,524	683	720	7	2,934	—	2,934
Dubuque	6,532	3,352	4,303	399	14,586	8,733	23,319
Emmet	1,393	598	659	27	2,677	—	2,677
Fayette	2,561	1,388	1,598	102	5,649	342	5,991
Floyd	1,802	1,017	1,103	82	4,004	265	4,269
Franklin	968	457	486	34	1,945	28	1,973
Fremont	956	401	399	13	1,769	—	1,769
Greene	1,096	527	619	56	2,298	—	2,298
Grundy	1,404	693	758	—	2,855	49	2,904
Guthrie	1,486	649	713	27	2,875	—	2,875
Hamilton	1,761	779	928	62	3,530	105	3,635
Hancock	1,310	586	682	5	2,583	67	2,650
Hardin	2,368	1,100	1,264	54	4,786	15	4,801
Harrison	1,744	801	853	69	3,467	59	3,526
Henry	1,940	806	954	64	3,764	—	3,764
Howard	1,110	618	713	38	2,479	313	2,792
Humboldt	1,064	538	708	29	2,339	127	2,466
Ida	767	334	392	14	1,507	—	1,507
Iowa	1,399	754	926	34	3,113	224	3,337
Jackson	2,098	1,088	1,190	79	4,455	676	5,131
Jasper	3,577	1,607	1,742	93	7,019	210	7,229
Jefferson	1,304	601	616	66	2,587	—	2,587

school enrollment

(continued)

County Name	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Johnson	5,566	2,367	2,396	220	10,549	610	11,159
Jones	1,796	999	1,095	51	3,941	286	4,227
Keokuk	1,238	606	761	13	2,618	111	2,729
Kossuth	1,592	684	849	58	3,183	1,425	4,608
Lee	3,478	1,547	1,843	167	7,035	1,364	8,399
Linn	16,319	7,313	8,462	1,093	33,187	3,371	36,558
Louisa	1,583	742	768	20	3,113	—	3,113
Lucas	961	396	458	17	1,832	—	1,832
Lyon	1,242	532	637	4	2,415	175	2,590
Madison	1,536	660	721	55	2,972	—	2,972
Mahaska	1,788	707	742	65	3,302	183	3,485
Marion	2,888	1,322	1,331	93	5,634	729	6,363
Marshall	3,882	1,947	2,039	175	8,043	301	8,344
Mills	1,425	563	562	25	2,575	—	2,575
Mitchell	949	482	694	17	2,142	255	2,397
Monona	1,089	481	591	16	2,177	91	2,268
Monroe	768	347	414	38	1,567	—	1,567
Montgomery	1,243	502	545	19	2,309	—	2,309
Muscatine	4,077	1,914	1,816	119	7,926	268	8,194
O'Brien	1,382	670	934	7	2,993	537	3,530
Osceola	583	259	311	—	1,153	122	1,275
Page	1,741	677	803	85	3,306	76	3,382
Palo Alto	1,150	556	724	35	2,465	268	2,733
Plymouth	2,148	939	1,135	35	4,257	1,139	5,396
Pocahontas	901	499	628	17	2,045	186	2,231
Polk	28,104	12,550	12,657	1,420	54,731	5,428	60,159
Pottawattamie	9,036	3,781	4,108	625	17,550	911	18,461
Poweshiek	1,773	782	884	61	3,500	—	3,500
Ringgold	586	260	292	—	1,138	—	1,138
Sac	1,323	597	709	25	2,654	67	2,721
Scott	16,308	7,549	7,782	612	32,251	2,832	35,083
Shelby	1,296	713	887	58	2,954	404	3,358
Sioux	1,935	891	1,077	63	3,966	2,459	6,425
Story	5,185	2,375	2,544	123	10,227	191	10,418
Tama	1,970	935	1,037	46	3,988	—	3,988
Taylor	767	347	401	82	1,597	—	1,597
Union	1,341	583	701	49	2,674	122	2,796
Van Buren	861	389	410	26	1,686	—	1,686
Wapello	3,962	1,716	1,926	218	7,822	74	7,896
Warren	4,055	1,652	1,682	69	7,458	—	7,458
Washington	1,818	891	944	39	3,692	266	3,958
Wayne	718	323	353	20	1,414	—	1,414
Webster	3,596	1,639	1,944	179	7,358	1,444	8,802
Winnebago	1,476	668	791	22	2,957	11	2,968
Winneshiek	1,221	675	936	50	2,882	525	3,407
Woodbury	9,027	3,780	4,559	552	17,918	2,776	20,694
Worth	769	322	338	—	1,429	—	1,429
Wright	1,592	739	847	30	3,208	—	3,208
State	265,601	121,926	134,758	10,398	532,683	51,880	584,563

K=Kindergarten.
Source: Iowa Department of Public Instruction.

deposits, loans, midwest (millions)

Total Gross Loans and Federal Funds Sold	1970	1975	1976	1977	1978	1979	1980
Iowa	$ 3,848	$ 7,437	$ 8,562	$ 9,990	$ 11,023	$ 12,404	$ 13,136
Illinois	22,023	43,015	45,059	50,525	57,634	62,937	84,317
Kansas	2,835	5,490	6,522	7,480	8,087	8,012	9,661
Minnesota	5,629	10,127	11,433	12,843	14,587	15,921	18,699
Missouri	6,909	11,304	12,946	15,219	17,141	16,367	20,442
Nebraska	2,166	4,103	4,721	5,450	5,887	5,945	7,190
S. Dakota	923	1,828	2,113	2,418	2,692	2,901	3,172
Wisconsin	6,869	10,207	11,571	13,479	14,863	15,096	16,708
Total Midwest	51,202	93,511	102,027	117,404	131,914	139,583	173,325
Total Deposits							
Iowa	$ 6,634	$ 11,799	$ 13,035	$ 14,224	$ 15,606	$ 17,025	$ 18,492
Illinois	34,548	59,446	61,685	68,836	74,189	77,042	109,218
Kansas	5,017	8,791	9,747	10,803	11,705	13,164	14,077
Minnesota	9,139	14,739	16,210	18,028	19,925	21,916	25,485
Missouri	11,456	17,260	19,012	21,286	23,084	25,367	27,388
Nebraska	3,606	6,251	6,718	7,394	8,193	8,962	9,583
S. Dakota	1,571	2,914	3,229	3,442	3,785	4,184	4,535
Wisconsin	9,682	15,008	16,485	18,538	19,541	20,798	22,058
Total Midwest	81,653	136,208	146,121	162,551	176,028	188,458	230,836
Mortgage Loans and Contracts							
Iowa	$ 1,691	$ 3,494	$ 4,072	$ 4,778	$ 5,367	$ 5,764	$ 5,939
Illinois	11,696	20,388	23,749	23,267	32,167	35,432	36,863
Kansas	1,884	3,631	4,218	4,845	5,460	5,976	6,233
Minnesota	2,907	5,179	5,898	6,771	7,697	8,280	8,456
Missouri	3,799	7,288	8,487	9,798	11,239	12,232	12,675
Nebraska	1,037	2,425	2,833	3,319	3,772	4,243	4,498
S. Dakota	212	454	558	667	764	813	857
Wisconsin	3,147	6,091	7,245	8,534	9,525	10,274	10,585
Total Midwest	26,373	43,771	57,060	66,979	75,991	83,014	86,106

Source: Data Base, F.D.I.C. and Federal Home Loan Bank Boards

Iowa is a top insurance state, prime source of financing

(dollars in thousands)

	1960	1965	1970	1975	1977	1978	1979	1980
Life Companies								
Number	16	29	29	28	33	32	35	35
Admitted assets	$2,284,785	$ 3,105,280	$ 4,223,141	$ 6,565,897	$ 8,743,599	$ 9,900,769	$11,280,941	$12,836,050
Total income	405,093	640,652	961,904	1,754,093	2,544,843	2,846,909	3,307,294	3,602,457
Life premiums	207,030	317,730	466,722	896,234	1,249,420	1,520,752	1,551,227	1,399,880
Accident-health	55,072	109,358	192,334	323,564	479,649	491,681	611,049	714,887
Total disbursements	289,578	444,496	708,793	1,206,172	1,503,577	1,721,198	2,089,661	2,380,849
Direct benefits	136,849	212,267	337,543	534,119	653,455	716,489	858,449	840,036
Iowa business in force	1,639,897	2,914,357	4,987,814	5,618,159	9,344,099	9,720,437	12,070,517	1,080,420
Total business in force	8,017,330	13,097,593	22,469,072	40,218,032	54,118,901	62,467,338	70,870,315	93,025,891
Fire, Casualty, Multiple Line Companies								
Number	45	46	41	42	46	46	48	49
Admitted assets	$ 287,551	$ 352,149	$ 561,444	$ 946,412	$1,444,432	$1,944,158	$2,318,344	$2,530,505
Total liabilities	181,739	225,681	382,558	655,550	1,017,644	1,387,571	1,644,017	1,713,203
Total premiums	209,573	252,155	421,012	719,164	993,470	1,193,797	1,351,826	1,416,334
Total direct losses	114,793	147,199	244,086	402,297	585,180	722,397	704,754	836,870
Net income	9,888	4,682	22,300	597	71,378	91,913	135,675	154,888

Source: Annual Report, Insurance Department, State of Iowa.

insurance business in Iowa

(thousands)

	1960	1965	1970	1975	1977	1978	1979	1980
Life insurance								
Life considerations	$ 159,408	$ 222,335	$ 309,870	$ 434,581	$ 454,833	$ 489,037	$ 507,649	$ 510,024
Direct claims and benefits	45,246	108,378	155,075	188,382	220,030	257,005	288,883	333,045
In force December 31	7,712,277	11,548,791	18,082,838	25,346,285	34,367,416	37,129,157	30,534,029	31,329,457
Accident and Health								
Total premiums	44,818	99,309	164,701	231,070	296,349	319,286	313,360	340,943
Group premiums	—	—	100,447	148,272	194,386	189,579	195,206	228,478
Total claims	27,766	66,950	120,896	203,168	187,583	200,087	211,223	242,179
Group claims	—	—	88,066	124,931	143,054	145,492	155,097	189,299
Fire, Casualty, Multiple Line								
Total Premiums	210,573	251,676	385,706	652,630	947,603	1,083,894	1,192,011	1,368,433
Fire	26,719	23,412	30,442	38,104	42,422	46,948	47,843	45,235
Homeowners	11,416	22,697	35,509	65,556	83,292	111,773	104,995	114,433
Auto liability (BI, PD)	42,716	60,618	89,424	141,975	207,052	225,376	249,570	260,185
Auto physical damage	34,192	41,988	66,195	95,412	158,701	177,630	195,104	206,670
Workmen's compensation	12,747	16,543	27,134	69,048	108,918	128,489	168,835	191,169
Total direct losses	110,780	136,127	203,300	342,009	429,015	555,839	609,059	753,361
Fire	10,435	10,853	14,079	15,028	16,513	16,463	17,805	20,547
Homeowners	4,651	12,803	19,542	30,457	40,752	67,464	65,110	104,986
Auto liability (BI, PD)	23,535	36,502	57,240	88,941	102,275	120,672	134,682	128,602
Auto physical damage	18,021	23,121	39,406	72,796	86,658	110,808	116,344	142,572
Workmen's compensation	7,478	9,525	15,198	30,700	46,616	58,491	70,199	79,751

Source: Annual Report, Insurance Department, State of Iowa.

financial institutions encourage business growth

Iowa insured commercial banks
(dollars in millions)

	1967	1970	1973	1976	1977	1978	1979
Number of banks	662	658	661	652	649	650	657
Total assets	$5,235	$7,455	$10,980	$14,606	$16,094	$17,858	$19,697
Demand deposits	2,405	3,124	3,996	4,249	4,484	4,836	5,180
Time deposits	2,295	3,510	5,554	8,786	9,741	10,770	11,845
Total deposits	4,700	6,634	9,549	13,035	14,225	15,606	17,025
Securities	1,693	2,363	3,927	4,342	4,238	4,604	4,711
Cash, bank balances	717	1,104	1,317	N/A	N/A	N/A	N/A

Source: U.S. Department of Commerce, Statistical Abstract of the U.S., 1968 through 1980

Iowa savings and loan associations
(dollars in millions)

	1967	1970	1973	1975	1976	1977	1978
Number of associations	91	83	88	84	79	78	78
Total assets	$1,588	$1,966	$3,039	$4,137	$4,813	$5,618	$6,320
First mortgage loans	1,328	1,691	2,599	3,494	4,072	4,778	5,367
Savings capital	1,416	1,691	2,643	3,529	4,181	4,781	5,325

Source: U.S. Department of Commerce, Statistical Abstract of the U.S., 1968 through 1980

Iowa chattel or small loan companies

	1967	1970	1973	1976	1977	1978	1979	1980
Number of offices	379	358	347	302	297	294	292	262
Number of accounts	122,559	107,991	86,056	58,519	55,754	55,684	49,169	52,388
Loans made during year ($000)	61,762	53,724	41,547	32,682	33,542	32,245	29,350	39,691
Loans charged off during year ($000)	1,246	1,783	1,728	1,605	1,374	1,286	1,270	7,917
Total net outstanding ($000)	48,628	47,974	39,984	27,764	26,522	25,587	25,017	33,323

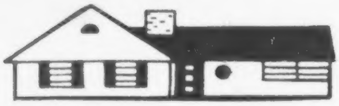
Source: State of Iowa, Annual Report of the Superintendent of Banking.

Iowa state chartered credit unions
(dollars in thousands)

	1967	1970	1973	1976	1977	1978	1979	1980
Number (on Jan. 1)	401	426	405	427	423	391	391	361
Total assets	$157,662	$205,599	$279,729	431,447	$493,055	$565,920	$623,046	$786,395
Loans	117,422	150,265	208,834	353,852	410,008	475,319	508,103	480,409
Shares and deposits	140,127	181,093	246,133	357,118	414,481	471,125	547,852	707,666

Source: State of Iowa, Annual Report of the Credit Union Department.

housing units, Iowa places of 2500 or more inhabitants



1970	Total Housing Units	Occupied Housing Units	Owner Occupied (Percent)	Owner Median Value (Dollars)
Iowa	964,060	896,311	71.7	13,900
Urban	550,744	522,517	69.4	15,400
Rural	413,316	373,794	74.9	10,100
Inside SMSA's	328,900	311,819	70.8	16,300
In Central Cities	215,817	204,536	67.8	16,100
Not in Central Cities	113,083	107,283	76.6	17,100
Outside SMSA's	635,160	584,492	72.2	12,000
Standard Metropolitan Statistical Areas				
Cedar Rapids	54,137	50,855	71.9	18,100
Davenport-Rock Island-Moline, Iowa-Ill	121,108	114,835	69.8	17,800
Des Moines	98,325	93,415	69.6	16,100
Dubuque	25,280	24,279	73.2	17,800
Omaha, Nebr.-Iowa	174,773	165,216	63.3	14,900
Sioux City, Iowa-Nebr	39,301	36,745	69.6	12,800
Waterloo	41,513	39,638	73.4	15,900
Places of 2,500 Inhabitants or More				
Albia	1,678	1,567	69.8	8,300
Algona	2,095	2,022	71.8	13,700
Altoona	858	802	81.7	18,200
Ames	11,038	10,716	49.2	22,900
Anamosa	1,319	1,257	67.1	15,700
Ankeny	2,641	2,552	74.7	21,600
Atlantic	2,810	2,648	66.9	14,900
Audubon	1,091	1,036	80.3	12,500
Belle Plaine	1,153	1,071	80.4	7,800
Bettendorf	6,445	6,174	79.5	22,500
Bloomfield	1,108	1,057	74.6	11,600
Boone	4,590	4,386	74.0	11,300
Burlington	11,979	11,159	69.8	13,600
Camanche	1,077	1,020	37.4	18,100
Carroll	2,683	2,560	74.5	16,300
Carter Lake	885	829	84.8	12,200
Cedar Falls	8,286	7,976	70.3	19,900
Cedar Rapids	37,979	35,719	69.2	18,100
Centerville	2,668	2,452	69.3	8,300
Chariton	2,089	1,886	71.8	9,700
Charles City	3,437	3,201	75.4	15,600
Cherokee	2,587	2,450	68.8	14,700
Clarinda	1,962	1,852	69.6	11,700
Clarion	1,164	1,079	74.1	12,000
Clear Lake City	2,650	2,248	73.8	16,000
Clinton	11,868	11,277	72.2	14,200
Clive	936	894	56.5	25,900
Coralville	2,199	2,106	34.2	21,300
Council Bluffs	19,750	18,948	71.6	12,500
Cresco	1,440	1,381	82.9	11,500
Creston	3,229	3,020	72.9	11,100
Davenport	33,466	31,654	64.6	18,000
Decorah	2,123	2,071	67.0	15,800
Denison	2,167	2,064	67.9	15,200
Des Moines	72,349	68,506	66.3	14,700
DeWitt	1,290	1,221	71.2	17,700
Dubuque	18,030	17,370	69.0	18,100
Dyersville	1,009	978	80.1	16,800
Eagle Grove	1,599	1,495	74.8	10,900
Eldora	1,151	1,096	77.6	14,100
Emmetsburg	1,445	1,332	76.2	12,600
Estherville	2,644	2,523	75.1	13,600
Evansdale	1,462	1,359	77.3	9,700
Fairfield	3,237	2,996	47.5	14,600
Forest City	1,289	1,199	73.4	15,800
Fort Dodge	10,693	10,112	66.2	15,700
Fort Madison	4,998	4,654	70.4	12,900
Glenwood	1,263	1,208	68.3	14,500
Grinnell	2,792	2,686	66.3	14,800
Grundy Center	1,033	1,002	76.5	14,900
Hampton	1,764	1,619	73.7	14,400
Harlan	1,778	1,693	76.3	15,100
Hawarden	997	937	75.9	11,000
Humbolt	1,611	1,532	75.9	17,100
Independence	2,074	1,974	74.0	12,200
Indianola	2,833	2,714	73.4	17,900
Iowa City	15,481	14,766	45.9	22,800
Iowa Falls	2,259	2,122	68.3	14,700
Jefferson	1,824	1,724	75.4	13,100
Keokuk	5,309	5,097	72.3	9,800
Knoxville	2,506	2,365	70.3	13,200
Lamoni	708	649	88.8	10,500
Le Claire	765	721	80.2	16,200
Le Mars	2,603	2,534	69.4	16,600
Manchester	1,704	1,612	71.4	14,100
Maquoketa	2,090	1,984	69.8	13,400
Marion	5,522	5,332	79.1	19,300
Marshalltown	9,127	8,765	69.8	15,400
Mason City	10,710	10,270	70.1	14,500
Missouri Valley	1,223	1,178	71.7	9,600
Monticello	1,169	1,128	76.7	15,500
Mount Pleasant	2,396	2,262	67.7	16,300
Mount Vernon	716	693	68.8	16,500
Muscatine	7,742	7,401	69.5	14,900
Nevada	1,792	1,703	71.3	15,600
New Hampton	1,216	1,181	76.1	14,700
Newton	5,625	5,401	73.2	13,600
Oelwein	2,817	2,661	78.6	11,400
Onawa	1,211	1,130	71.4	9,900
Orange City	1,154	1,100	81.1	15,600
Osage	1,386	1,332	81.2	13,100
Osceola	1,376	1,277	75.9	10,300
Oskaloosa	4,292	4,028	69.9	10,800
Ottumwa	11,158	10,487	73.5	9,600
Pella	2,132	2,063	76.8	16,700
Perry	2,650	2,479	68.3	11,500
Red Oak	2,537	2,386	70.4	13,100
Rock Rapids	1,018	961	78.5	13,100
Sac City	1,205	1,146	72.9	12,200
Sheldon	1,597	1,521	76.5	13,500
Shenandoah	2,444	2,328	64.9	11,500
Sibley	1,031	969	81.4	12,000
Sioux Center	957	938	81.7	15,000
Sioux City	29,197	27,619	68.2	13,300
Spencer	3,689	3,527	66.1	15,800
Spirit Lake	1,196	1,056	73.9	15,200
Storm Lake	2,933	2,819	69.0	16,800
Tama	1,083	1,024	77.5	11,100
Tipton	1,067	1,026	71.8	14,100
Urbandale	4,276	4,037	79.5	23,800
Vinton	1,770	1,700	75.4	12,000
Washington	2,441	2,300	72.3	12,500
Waterloo	25,301	24,165	72.5	15,400
Waukon	1,369	1,304	72.9	12,500
Waverly	2,267	2,135	69.6	17,600
Webster City	3,073	2,922	68.8	14,900
West Burlington	1,045	1,003	86.1	14,600
West Des Moines	5,061	4,864	82.2	21,600
West Union	953	899	77.6	13,400
Windsor Heights	2,040	2,000	84.0	27,900
Winterset	1,478	1,417	71.6	12,000

Source: 1970 Census of Housing, U.S. Department of Commerce, Bureau of the Census

median value of housing units, Iowa

1970	Owner Occupied	Vacant & for Sale	With All Plumbing Owner Occupied	With All Plumbing Vacant & for Sale	Contract Rent Renter Occupied	Contract Rent Vacant & for Rent
Iowa	$13,900	$11,600	$14,200	$13,000	$77	$73
Inside SMSA's	16,300	15,900	16,500	16,400	90	90
Outside SMSA's	12,000	9,300	12,400	11,100	69	62
Urban	15,400	14,500	15,600	15,200	83	80
Rural	10,100	6,500	10,600	8,400	58	52

Source "1970 General Housing Characteristics," Aug 1971, U S Department of Commerce, Bureau of the Census

housing units by county, 1970

		Occupied Housing Units			
		Owner Occupied		Renter Occupied	
Counties	Total Housing Units	Total	Median Value (Dollars)	Total	Median Contract Rent (Dollars)
Adair	3,645	2,548	8,200	753	55
Adams	2,381	1,637	6,900	547	47
Allamakee	5,233	3,522	11,400	1,020	58
Appanoose	6,120	4,155	6,500	1,200	56
Audubon	3,394	2,407	10,700	740	56
Benton	7,925	5,483	10,800	1,874	63
Black Hawk	41,513	29,085	15,900	10,553	85
Boone	9,186	6,371	11,000	2,278	67
Bremer	7,220	5,282	15,400	1,579	75
Buchanan	7,049	4,883	10,400	1,472	63
Buena Vista	7,242	4,711	13,200	2,078	69
Butler	5,850	4,190	11,000	1,330	57
Calhoun	5,580	3,427	9,100	1,399	54
Carroll	7,213	4,926	12,300	1,854	61
Cass	6,440	4,218	11,400	1,715	63
Cedar	6,064	4,048	13,200	1,613	69
Cerro Gordo	17,920	11,578	14,200	4,701	71
Cherokee	5,889	3,746	12,600	1,751	64
Chickasaw	4,792	3,491	11,800	1,007	67
Clarke	2,988	2,108	8,500	598	60
Clay	6,663	4,027	13,800	2,069	69
Clayton	7,450	5,124	10,000	1,428	52
Clinton	18,747	13,012	14,300	4,695	84
Crawford	6,436	4,264	11,200	1,767	66
Dallas	9,146	6,222	11,900	2,381	67
Davis	3,066	2,211	9,200	580	59
Decatur	3,624	2,402	6,400	796	54
Delaware	6,261	4,009	10,900	1,318	60
Des Moines	16,893	11,401	13,900	4,292	80
Dickinson	8,366	3,136	13,200	1,199	63
Dubuque	25,280	17,777	17,800	6,502	76
Emmet	4,676	3,099	12,100	1,226	65
Fayette	8,967	6,554	10,500	1,810	62
Floyd	6,882	4,852	13,800	1,540	66
Franklin	4,999	3,251	11,800	1,320	57
Fremont	3,454	2,229	7,300	1,008	49
Greene	4,798	3,052	10,000	1,351	61
Grundy	4,868	3,302	13,100	1,351	64
Guthrie	4,766	3,169	8,000	1,055	54
Hamilton	6,605	4,159	12,500	2,000	66
Hancock	4,717	3,084	10,300	1,255	60
Hardin	8,056	5,413	12,100	2,045	63
Harrison	[illegible],793	3,883	8,500	1,532	58
Henry	6,430	4,386	12,400	1,531	71
Howard	3,925	2,946	9,600	681	48
Humboldt	4,325	2,829	12,500	1,173	67
Ida	3,250	2,149	10,900	882	59
Iowa	5,231	3,778	11,700	1,187	62
Jackson	6,868	4,693	11,900	1,577	63
Jasper	12,255	8,561	12,200	3,048	72
Jefferson	5,738	3,716	12,400	1,541	72
Johnson	23,654	11,691	22,000	10,800	115
Jones	6,249	4,414	12,600	1,535	68
Keokuk	5,242	3,810	6,800	885	52
Kossuth	7,386	4,821	10,600	2,105	62
Lee	14,890	10,480	11,700	3,473	69
Linn	54,137	36,552	18,100	14,303	103
Louisa	3,970	2,640	9,900	816	57
Lucas	4,014	2,745	8,600	837	56
Lyon	4,363	2,948	10,000	1,142	55
Madison	4,245	2,950	10,600	1,013	56
Mahaska	8,247	5,495	9,900	2,048	63
Marion	8,594	6,155	12,600	1,975	66
Marshall	13,986	9,461	14,300	3,825	83
Mills	3,922	2,621	10,000	1,036	63
Mitchell	4,335	3,175	11,100	863	56
Monona	4,511	2,908	8,100	1,225	49
Monroe	3,481	2,435	7,600	737	54
Montgomery	4,996	3,284	10,600	1,337	59
Muscatine	12,728	8,400	14,500	3,440	72
O'Brien	6,099	4,156	10,900	1,513	58
Osceola	2,958	1,925	9,700	813	55
Page	7,128	4,564	10,200	2,007	58
Palo Alto	4,764	2,966	9,700	1,132	57
Plymouth	7,563	5,034	13,700	2,133	66
Pocahontas	4,459	2,825	10,000	1,241	55
Polk	98,325	65,003	16,100	28,412	98
Pottawattamie	28,121	19,508	12,600	7,268	78
Poweshiek	6,694	4,199	11,600	1,770	67
Ringgold	2,781	1,844	5,700	462	47
Sac	5,758	3,575	10,300	1,505	58
Scott	46,397	30,166	18,800	13,856	99
Shelby	4,953	3,363	12,000	1,268	64
Sioux	8,412	6,128	12,400	1,902	59
Story	19,062	10,815	19,200	7,481	90
Tama	7,115	4,903	10,700	1,650	57
Taylor	3,551	2,573	6,400	650	47
Union	5,184	3,575	9,800	1,199	62
Van Buren	3,426	2,496	6,100	529	43
Wapello	15,478	10,945	9,300	3,407	62
Warren	8,425	6,303	16,900	1,616	83
Washington	6,634	4,491	11,500	1,645	65
Wayne	3,499	2,513	6,300	624	48
Webster	16,314	10,447	14,500	4,835	76
Winnebago	4,526	3,068	12,500	1,156	60
Winneshiek	6,434	4,604	11,800	1,454	68
Woodbury	35,127	22,816	12,900	10,018	72
Worth	3,334	2,272	10,500	767	54
Wright	6,410	4,015	11,200	1,729	62

Source: U.S. Bureau of the Census, Census of Housing: 1970, "General Housing Characteristics," Final Report, Iowa, Table 29.

Iowa community betterment

The Iowa Community Betterment Program is a viable tool which is helping to reshape Iowa communities for the future. This model program of "self help" touches the lives of thousands of Iowans every year. Volunteers in Iowa cities are urged to sit down, talk over concerns and develop goals and objectives for addressing those issues.

This program is the largest of its kind in the country and there are cash awards for local success stories. However, the greatest rewards are for those communities where volunteers pitch in, roll up their sleeves and work alongside the local government to accomplish worthwhile community projects.

1981 Participants

Ackley
Albia
Ankeny
Archer
Argyle
Arthur
Ashton
Atlantic
Aurelia

Bancroft
Beaconsfield
Beaman
Belmond
Benton
Blencoe
Blockton
Boone
Buck Grove
Burt

Carlisle
Carson
Center Junction
Central City
Chariton
Cherokee
Churdan
Clarion
Clarksville
Clearfield
Clinton
Coon Rapids
Corwith
Coulter
Council Bluffs
Creston

Decorah
Delta
Denison
DeWitt
Dow City
Dows

Eagle Grove
Elberon
Eldora
Elkhart
Elliott
Ellston

Fairbank
Fertile
Fort Dodge

Garden Grove
Georgetown
Goldfield
Gowrie
Grafton
Grand River
Greene

Hanlontown
Hartley
Hedrick
Holstein

Indianola
Independence

Jefferson
Jesup
Joice

Kalona
Kellerton
Kensett

Lamoni
Larchwood
Laurens
LeClaire
Leland
Lewis
Lime Springs
Little Rock
Lorimor
Lovilia
Low Moor

Macedonia
Maquoketa
Marble Rock
Marion
Marshalltown
Melrose
Menlo
Milo
Mondamin
Moingona
Monona
Mount Ayr
Murray

Nichols
Northwood

Onawa
Ottumwa

Parkersburg
Parnell
Paullina
Pella
Peterson
Prairie City
Primghar

Riceville
Riverside
Rock Rapids
Roland
Rowley

Saint Ansgar
Schleswig
Sheffield
Sheldon
Shenandoah
Sidney
Sioux Center
Sioux Rapids
Soldier
Stanhope
Superior

Tama
Titonka

Vinton

Wadena
Waukon
Waverly
West Point
What Cheer
Wiota

Neighborhoods:
Cedar Rapids-Czech Village
Council Bluffs-Playland Area Neighborhood
    Southside Neighborhood
Davenport-Village of East Davenport
Des Moines-Drake Neighborhood
    Logan Neighborhood
    Pioneer-Columbus Neighborhood
    Southeast Neighborhood
Fort Dodge-Hillcrest Neighborhood

1981 outstanding achievement and youth involvement winners

Population Category I — 230 and under

1. **Archer** — Street signs and house numbers were erected; park improvements and children's story hour programs; lawn contest for most attractive lawn, planted 25 trees and maintained a message board.
2. **Argyle** — Installed three street lights; held a town meeting regarding city water; held a clean-up day.
3. **Grand River** — built new fire station; park improvements; Centennial.
4. **Joice** — reroofing of community gymnasium; elderly housing units open house; development of recreation area.
5. **Melrose** — surviving a disaster; tree planting program and expanded park facilities.

Honorable Mention — Hanlontown — visual improvement program, downtown improvement; purchasing equipment for publishing newsletter, "The Sundowner."

Youth Involvement — Melrose — (see five above).

Honorable Mention — Ellston — planning a centennial; making a community building more energy efficient.

Population Category II — 231-409

1. **Blockton** — repair and renovation of community building; grocery store survey; the BLOCTONIAN Newspaper.
2. **Low Moor** — emergency and ambulance service; senior citizens program; beautification program for city.
3. **Blencoe** — Legion Hall renovation; community youth Legion Hall painting project; flag day.
4. **Fertile** — park improvement; 125th anniversary of town; community center.
5. **Elkhart** — volunteer fire department pagers; Danna Spratt memorial tennis court; park improvement.

Honorable Mention — Grafton — fire department improvement; public library addition; park and recreation project.

Honorable Mention — Nichols — Park; Nichols Day celebration; senior citizens Thanksgiving dinner.

Youth Involvement — Low Moor — (see two above).

Population Category III — 410-700

1. **Peterson** — Quasquicentennial; fire protection and emergency medical services; touring arts team.
2. **Lovilia** — community center; establish a newspaper; free movie program at community center.
3. **Ashton** — community attitude survey; centennial planning and fund raising; children's musical.
4. **Churdan** — restoration of wood-frame building for centennial; expanding park facilities and continuing park expansion.
5. **Menlo** — market and cafe; heating and cooling of store; house numbers.

Honorable Mention — Titonka — new ambulance purchase; community center; swim-a-thon.

Honorable Mention — Little Rock — completion of town and country park; moved and remodeled storage building for the city; replaced roof on community building.

Youth Involvement — Churdan — (see four above).

Population Category IV — 701-1,099

1. **Carson** — centennial celebration; renovation of Carson Dreamland theater; recreation area.
2. **Dows** — community identity, Ambassador's Program, Hall of Fame; community survey; Big day in Dows - celebration.
3. **Schleswig** — survey follow-up; youth projects - archeology survey, solar energy, vial of life, renovation of Schleswig welcome sign, yard of the month; community beautification.
4. **Riceville** — build a better Riceville; town Halloween party; avenue of flags.
5. **Gowrie** — softball field; horseshoe courts; Gowrie welcomers.

Honorable Mention — Roland — museum, relocated and restored old rural schoolhouse.

Honorable Mention — Goldfield — Memorial Hall action: rural emergency marking system; community beautification.

Youth Involvement — Bancroft — Earth Day 1981, a clean-up day.

Population Category V — 1,100-2,000

1. **Monona** — drug abuse committee formed; peer helpers program; CPR training for the youth.
2. **Clarksville** — music boosters did sewing of new band uniforms, flag girls and chorus outfits; fund-raiser to pay for new rescue unit; downtown mural.
3. **Laurens** — youth activities program; dual purpose solar heater.
4. **Sidney** — swimming pool repairs; ball diamond; children's matinees.
5. **Holstein** — community survey; beautification; pre-1982 centennial.

Honorable Mention — Hartley — purchase of fetal monitor; school reorganization; community building remodeling.

Honorable Mention - Aurelia - recreation projects; park clean-up day, Easter egg hunt, children's art fair; community survey.

Youth Involvement — Mount Ayr— park improvement; substance abuse; F.F.A. - plant Iowa program, food for America, pork promotion, gun safety, fruit and cheese sales.

Population Category VI — 2,001-4,999

1. **Northwood** — Worth County rescue unit vehicle; welcome to the Northwood-Kensett school district; tree planting and beautification.
2. **LeClaire** — renovated old school building for ambulance building.
3. **Clarion** — community street sign project; softball and family park; year-round activity center.
4. **Lamoni** — community center/central park master plan; high school beautification.
5. **DeWitt** — theater restoration.

Honorable Mention — Jefferson — community survey; alley reconstruction project; greening of Jefferson.

Honorable Mention — Belmond — community attitude survey; forming of Belmond Industrial Development Corporation; Arts festival.

Youth Involvement — Carlisle — built new library on the site of the old library.

Population Category VII — 5,000-10,000

1. **Denison** — Quasquicentennial and 4th of July celebration; formation of CHEER, Inc., a corporation to plan and finance a recreational facility; Friends of the Library; beautification of city planters; city clean-up efforts.
2. **Decorah** — Group home (for mentally retarded adults); Dry Run Creek restoration; fire numbers; drug peer helper program; crosslines council bus service; safety reflectors for joggers.
3. **Creston** — Community attitude survey; hot air balloon races; all purpose court chain link fence and gate; railroad heritage days; clean-up day; tourmobiles.
4. **Chariton** — Clean-up day, career day; vial of life; tele-e-trainer; education forums; general community improvements; public service projects at county hospital.
5. **Independence** — Pinicon bridge, making the adult day care area more accessible by installing a wheel chair lift in the entry; seeding a nature area with prairie grasses and wild flowers; CRD "Super Stars" 8 to 12 year olds learned about improving their community; a brochure to interest citizens and industry in Independence; 4th of July celebration; Brimmer Park, a downtown park and restrooms in the central business district.

Honorable Mention — Maquoketa — community survey; removal of downtown parking meters; crime stoppers.

Honorable Mention - Sheldon - community survey; volunteer help for the disabled; fund-raiser for the high school band; promotion of Northwest Iowa Technical College Agricultural Field Days; youth bell memorial; civil defense.

Youth Involvement — Chariton — (see four above).

Population Category VIII — Over 10,000

1. **Ottumwa** — Coliseum renovation; Christmas decorations; Ottumwa Team Management; youth involvement; city government evaluation.
2. **Ankeny** — Counseling services; service center of United Way; citizen planning conference.
3. **Marion** — Theater workshop; CBD redevelopment; affordable housing.
4. **Boone** — City beautification; fire station addition; Mamie Doud Eisenhower birthplace; convention and visitors bureau; Little League park improvement; community survey.
5. **Indianola** — City brochure; urban revitalization; voter service; community center; humane society of Warren County; national hot air balloon championship.

Honorable Mention — Council Bluffs — tree planting; pride contest for youth of school age; assistance to neighborhood groups; assisted with Lake Manawa centennial celebration on July 4; assisted with pride week in May.

Honorable Mention — Clinton — beautification; property improvement awards; welcome sign.

Youth Involvement — Ottumwa — (see one above).

Population Category IX — Neighborhoods

1. **Drake Neighborhood, Des Moines** — Gateway beautification project; historic research project; needs assessment project.
2. **Czech Village of Cedar Rapids** — Renovating an older commercial building into the new home of the Czech museum and library.
3. **Playland Neighborhood, Council Bluffs** — Development of community park; prevention of dumping in neighborhood.

Honorable Mention - Hillcrest Neighborhood, Fort Dodge - neighborhood improvement; doing for others; scholarship.

Honorable Mention - Village of East Davenport - Neighborhood Housing Services, Inc.; living Christmas windows; Civil War Muster and Mercantile Exposition.

Honorable Mention, Youth Involvement - Southside Neighborhood, Council Bluffs - tool library; Peterson Picker-Uppers.

Honorable Mention, Youth Involvement - Pioneer-Columbus Neighborhood, Des Moines - raise funds for uniforms and equipment for the Handicapped baseball teams of the City of Des Moines.

1981 Energy Awards

Brooklyn — $500 — make homes energy efficient for the elderly.
Clearfield — $500 — construction of solar energy greenhouse.
Elberon — $300 — Windbreak on north and west of community building as well as caulk windows.
Eldora — $300 — make Hardin County youth building energy efficient.
Ellston — $300 — making a community building more energy efficient.
Murray — $600 — winterization of homes.
Schleswig — $500 — workshop where youth will be trained as community facilitators in design and production of inexpensive solar energy collection devices.

Energy awards from Iowa Blue Flame Gas Association

Southeast Neighborhood — Des Moines — $750 — solar greenhouse.
Rock Rapids — $500 — making the community building energy efficient.
Schleswig — $400 — insulated the north side of the elementary school building.
Sioux Center — $300 — energy awareness — helping to inform the people of the latest in energy conservation.
Fort Dodge — $200 — Energy Fair which focused on conservation of energy as well as demonstrating alternate fuels, construction techniques and alternative living styles.

Honorable Mention — $100 each:

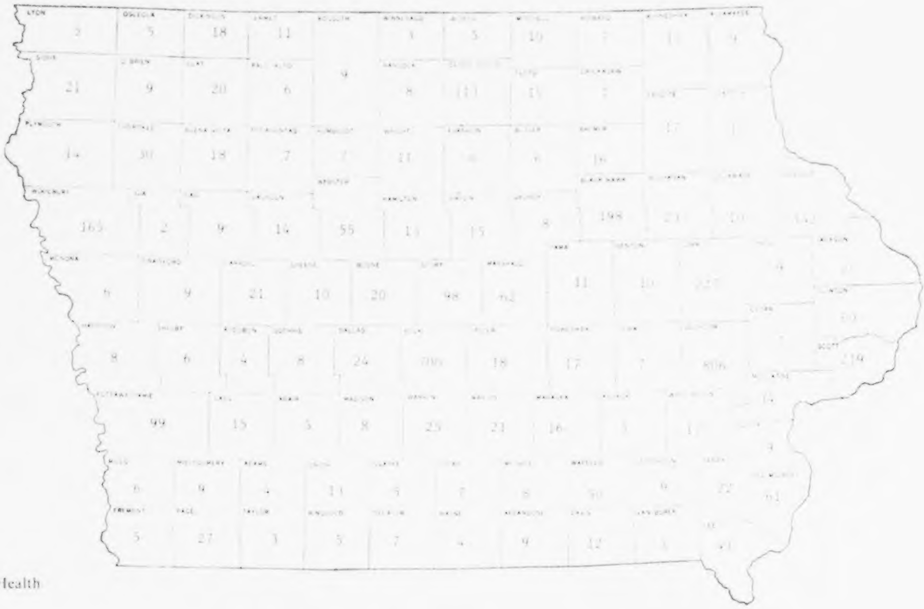
Riverside — Riverside Area Transit System, a mass transit system to shuttle people to and from their jobs in Iowa City.
Clearfield — construction of solar energy greenhouse.
Eldora — insulating and preparing an updated energy conservation plan for the Hardin County Youth Building.
Laurens — dual purpose solar heater. The solar heater is used at the maintenance garage during the winter months and at the swimming pool during the summer.
Parkersburg — performed an energy audit of the homes.
Lovilia — insulating community building.

1981 Iowa Community Betterment Sponsors

Bankers Life
Central Telephone Company
Continental Telephone of Iowa
Deere and Company
Farmland Industries, Inc.
Interstate Power Company
Iowa American Legion
Iowa Association of Electric Cooperatives
Iowa Bankers Association
Iowa Electric Light and Power Company
Iowa Farm Bureau
Iowa-Illinois Gas & Electric Company
Iowa Power and Light Company
Iowa Public Service Company
Iowa Southern Utilities Company
Michigan Wisconsin Pipe Line Company
Natural Gas Pipeline Company of America
Northern Natural Gas Company
Peoples Natural Gas Company
United Telephone Company of Iowa

Iowans have ready access to health care

NUMBER OF PHYSICIANS (M.D.'s and D.O.'s) BY COUNTY, 1981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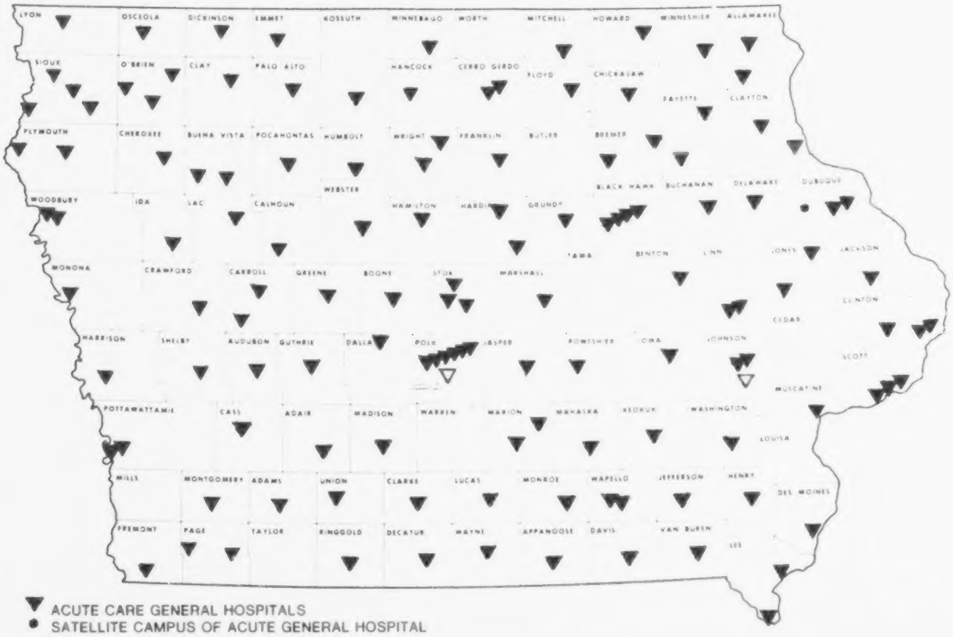
Source: Iowa Department of Health

IOWA HOSPITAL


LYON
OSCEOLA
DICKINSON
EMMET
KOSSUTH
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
SIOUX
O'BRIEN
CLAY
PALO ALTO
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
FAYETTE
CLAYTON
PLYMOUTH
CHEROKEE
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
WEBSTER
WOODBURY
IDA
SAC
CALHOUN
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
TAMA
BENTON
LINN
JONES
JACKSON
MONONA
CRAWFORD
CARROLL
GREENE
BOONE
STORY
MARSHALL
CLINTON
CEDAR
HARRISON
SHELBY
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
SCOTT
MUSCATINE
POTTAWATTAMIE
CASS
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
MILLS
MONTGOMERY
ADAMS
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
FREMONT
PAGE
TAYLOR
RINGGOLD
DECATUR
WAYNE
APPANOOSE
DAVIS
VAN BUREN
LEE

- ▼ ACUTE CARE GENERAL HOSPITALS
- ● SATELLITE CAMPUS OF ACUTE GENERAL HOSPITAL
- ▽ VETERANS HOSPITALS - ACUTE GENERAL

Source: Iowa State Department of Health, Office for Health Planning & Development.

discharges in IOWA hospitals, by disease code per 10,000 population[1] 1977

Condition	00-14		15-44		45-64		65+		ALL AGES	
	Value	Rank	Value	Rank	Value	Rank	Value	Rank	Value	Rank
Infective/Parasitic	63.5	4	50.1	12	35.1	21	81.1	17	54.3	13
Malignant Neoplasms	6.3	17	17.8	22	133.1	5	347.5	2	80.2	8
Benign/Unspec. Neoplasms	5.6	19	33.5	15	52.0	15	44.0	25	31.8	23
Diabetes Mellitus	4.3	22	11.8	26	35.4	20	73.4	19	22.5	27
Other Endo., Nutr., Metabol.	5.9	18	8.7	28	17.8	29	19.9	29	11.3	31
Mental/Personality	24.6	11	110.6	5	116.0	7	94.7	14	88.8	6
Eye/Visual Impairment	17.0	13	7.9	29	37.2	18	149.6	10	34.1	21
Nervous/Sense Organs	42.4	9	51.4	9	96.2	8	121.3	11	67.1	11
Heart, Nec.	1.7	25	19.2	21	193.5	1	531.4	1	115.3	5
Hypertensive, Nec.	0.4	31	4.9	32	23.6	28	27.3	26	10.4	32
Cerebrovascular	0.6	30	3.2	33	34.9	22	225.8	5	37.4	17
Varicose Veins	0.0	34	3.1	34	9.2	31	10.8	31	4.6	34
Hemorrhoids	0.0	33	6.8	30	11.0	30	11.2	30	6.5	33
Other Circulatory	5.2	20	25.1	19	80.4	10	166.8	9	49.4	15
Upper Respiratory	117.1	2	42.2	13	26.4	27	21.3	27	54.5	12
Other Respiratory	132.9	1	62.9	8	134.2	4	274.8	4	121.2	4
Ulcer-Stomach/Duodenum	0.7	27	13.3	25	29.7	24	58.4	20	19.3	28
Appendicitis	22.0	12	26.7	18	8.1	32	3.8	32	19.0	29
Hernia of Abdominal Cav.	26.3	10	17.8	23	59.5	11	82.5	16	36.4	18
Gallbladder	0.2	32	30.0	17	56.1	14	90.2	15	35.7	20
Other Digestive	45.3	8	132.7	3	169.4	2	298.2	3	140.1	3
Male Genital Disorders	7.6	16	10.2	27	33.1	23	102.4	13	25.9	25
Female Genital Disorders	3.9	24	118.0	4	116.9	6	45.1	24	80.8	7
Other Genitourinary	51.1	7	50.3	10	85.8	9	172.0	8	73.1	10
Deliveries	0.7	28	373.1	1	0.0	34	0.3	33	160.9	2
Comp. Pregnancy/Puerper.	1.1	26	83.4	6	0.5	33	0.0	34	36.3	19
Skin/Subcutaneous Tissue	14.8	14	23.3	20	28.2	25	58.4	21	26.7	24
Arthritis	0.7	29	5.2	31	39.9	17	103.1	12	23.6	26
Bones and Joints, Nec.	3.9	23	31.2	16	56.8	13	55.9	22	32.9	22
Other Musculoskeletal	4.8	21	15.4	24	26.6	26	20.3	28	15.7	30
Fractures/Dislocations	60.5	5	63.2	7	56.8	12	196.8	7	78.4	9
Other Current Injuries	92.9	3	204.4	2	145.3	3	203.1	6	165.5	1
All Other Conditions	58.1	6	41.3	14	49.1	16	75.5	18	51.3	14
Misspecified	10.4	15	50.3	11	36.7	19	47.5	23	37.6	16

[1] Annualized.

Source: Iowa Department of Health.

hospitals in the midwest, 1979 (non-federal community hospital)

State	Number of Beds	Total Admissions	Occupancy Rate	Average Length of Stay	Average In-Patient Day Expense
UNITED STATES	983,694	35,099,231	73.9	7.6	$217.34
IOWA	16,731	551,399	66.4	7.4	178.89
Illinois	56,017	1,942,532	74.6	7.9	244.69
Kansas	13,623	446,566	67.8	7.5	183.72
Minnesota	23,744	676,662	70.8	9.1	176.72
Missouri	26,970	888,279	74.2	8.2	198.96
Nebraska	9,607	284,621	65.1	8.0	174.45

Source: American Hospital Annual Survey, 1979, American Hospital Association.

Iowa medical statistics[1]

licensed medical professionals in Iowa

	1980	1981
Chiropractors	1,067	1,078
Dentists	2,543	2,411
Dental Hygienists	930	838
LPN's	6,696[2]	9,696[3]
MD's	7,045	7,049
Optometrists	509	554
Osteopathic Physicians	293	233
Osteopathic Physicians and Surgeons	673	726
Physical Therapists	667	633
Podiatrists	150	156
RN's (active)	26,580	26,031

[1] Estimated as of September, 19[illegible]

[2] Total active license holders practicing in Iowa.

[3] Total active license holders.

Source: Iowa Board of Nursing, Iowa Department of Health.

service industries in Iowa, 1977

SIC Code	Kind of business[1]	All establishments[2] (number)	Receipts[3] ($1,000)	Payroll entire year ($1,000)	Paid employees for week including March 12 (number)	Percent change 1972 to 1977	
						Receipts[3]	Payroll entire year
	Selected service industries[4]	27,340	1,560,446	408,850	60,198	72.3	78.1
701, 3	Hotels, motels, trailering parks, and camps	957	153,774	40,254	10,275	76.9	84.2
701	Hotels, motor hotels, and motels	754	148,686	39,935	10,240	79.0	85.4
72	Personal services	9,838	230,494	59,388	10,574	33.6	33.2
721	Laundry, cleaning, and garment services	848	61,803	19,327	3,334	23.2	14.7
722	Photographic studios, portrait	526	16,011	2,536	390	45.9	44.0
723	Beauty shops	3,773	64,481	22,100	4,171	41.6	46.3
724	Barber shops	1,098	15,595	1,900	250	16.0	36.9
726	Funeral service and crematories	434	46,433	9,547	1,149	16.5	33.6
73	Business services	5,315	347,400	118,080	16,020	93.0	90.3
731	Advertising[5]	310	25,438	9,863	808	80.4	95.6
734	Services to dwellings and other buildings	764	31,529	15,316	2,883	129.0	159.0
737	Computer and data processing services	95	53,725	18,071	1,775	(D)	275.5
7392	Management, consulting, and public relations services	958	50,629	16,737	1,730	74.7	150.2
7394	Equipment rental and leasing services	254	25,237	5,866	484	131.5	(D)
75	Automotive repair, services, and garages	3,429	281,059	52,143	5,641	89.1	97.5
751	Automotive rental and leasing, without drivers	165	78,314	9,400	889	104.9	105.1
752	Automobile parking	63	4,174	864	126	30.5	39.4
753	Automobile repair shops	2,743	177,000	38,094	3,282	80.5	95.0
754	Automotive services, except repair	458	21,571	3,785	644	136.8	127.7
76	Miscellaneous repair services	3,022	125,286	26,883	2,926	82.9	119.7
762	Electrical and electronic repair, except computers	825	41,598	9,345	973	65.5	130.3
78, 79	Amusement and recreation services, including motion pictures	2,360	154,347	29,430	7,322	55.1	28.5
781, 2	Motion picture production, distribution, and services	50	24,245	2,647	237	(D)	173.2
783	Motion picture theaters	215	29,369	5,046	1,776	28.1	(D)
792	Producers, orchestras, and entertainers	818	8,901	1,180	372	109.7	(D)
7933	Bowling alleys	231	34,198	8,077	2,298	72.9	69.7
8072	Dental laboratories	76	9,923	4,599	432	83.8	82.8
81	Legal services[6]	1,878	166,467	33,087	4,154	63.9	125.9
891	Engineering, architectural, and surveying services	465	91,696	44,986	2,854	114.2	100.8

Note: Percentages are based on current dollars for both 1972 and 1977 with no adjustment for price increases.

(D) Withheld to avoid disclosing data for individual companies.

[1] All kind-of-business classifications are not shown separately; therefore, detail does not add to totals.

[2] For all establishments, including those with no payroll.

[3] Comparability of data for specific kinds of business may be affected by inclusion of sales (or other) taxes in 1972 but not in 1977.

[4] Data shown only for establishments subject to Federal income tax. Comparability of data may be affected by inclusion of some tax-exempt establishments in 1972 data.

[5] Total receipts reflect commissions, fees, and other income of advertising agencies rather than gross billings as in previous censuses. Percent change reflects adjustment for comparability.

[6] Includes associations of professionals formed solely to share payroll and other expenses, not covered in prior censuses. Percent change in payroll does not reflect adjustment for comparability.

Source: 1977 Census of Service Industries, U.S. Department of Commerce, Bureau of the Census. Preliminary Report, issued August, 1979.

IOWA

A tradition of excellence

STATISTICS

Iowa climate and geography

Located between the Upper Mississippi and the Missouri Rivers, the State of Iowa comprises 56,000 square miles primarily of rolling prairie, with an extreme north-south distance of 205 miles and an extreme east-west distance of 310 miles. Elevation changes are small across the State, varying from 1670 feet in Osceola County in the northwest to 480 feet at the mouth of the Des Moines River in the southeast. Some rugged terrain, mainly of forest soils, may be found in the northeast yet most of the State's natural lakes are located in the northwest.

Iowa's four distinct seasons provide a climate that is classified as humid continental. Temperatures vary through a wide range, arriving at an annual average of 49 degrees. A typical year brings 166 days of sunshine, 100 partly cloudy days and 99 cloudy days. Since much of the average 32 inches of rainfall comes during the growing season, Iowa's climate is ideal for agriculture. Winter snowfall averages 30 inches, and relative humidity averages 72 percent.

Clean air and clean water have been maintained in abundance in the State with enforcement of pollution laws assuring their existence in the future.

Source: U.S. Department of Commerce, Environmental Science Services Administration, Climates of the States—Iowa.

mean temperature and total precipitation

Mean Average Temperature

	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	26.9	50.0	74.4	53.6
Carroll	22.9	47.8	72.9	51.4
Cedar Rapids	24.3	48.3	72.7	51.9
Council Bluffs	27.3	48.9	73.2	52.1
Creston	25.4	49.0	73.5	52.5
Davenport	26.4	49.1	74.5	54.0
Decorah	20.4	45.7	71.5	49.6
Des Moines	23.5	49.4	75.0	52.7
Dubuque	23.9	47.7	72.2	52.0
Fort Dodge	21.8	47.1	72.4	50.8
Mason City	19.3	45.0	70.8	48.9
Ottumwa	27.0	50.7	75.0	52.5
Rock Rapids	19.5	45.9	71.8	49.0
Sioux City	22.0	47.8	74.6	51.9
Spencer	19.1	45.4	71.4	48.9
Waterloo	20.8	46.4	71.9	49.8
State of IOWA	21.3	48.1	72.9	51.8

Source: U.S. Department of Commerce, Weather Bureau, Climatic Summary of the United States—Iowa.

Mean Average Precipitation

	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	1.54	3.39	4.01	2.59
Carroll	.98	2.30	4.01	1.97
Cedar Rapids	1.30	3.97	3.90	2.77
Council Bluffs	.85	2.98	4.86	1.90
Creston	.92	2.84	4.00	2.39
Davenport	1.53	3.15	3.87	2.74
Decorah	1.08	2.93	4.12	2.64
Des Moines	1.18	2.90	3.81	2.22
Dubuque	1.71	3.35	3.82	3.02
Fort Dodge	1.03	2.74	4.09	2.21
Mason City	.88	2.64	4.27	2.22
Ottumwa	1.31	3.14	4.19	2.51
Rock Rapids	.69	2.55	3.85	1.78
Sioux City	.80	2.31	3.37	1.77
Spencer	.82	2.55	3.99	1.95
Waterloo	1.07	2.83	4.01	2.58
State of IOWA	1.00	2.91	4.10	2.03

Source: U.S. Department of Commerce, Environmental Science Services Administration, "Climates of the States—Iowa."

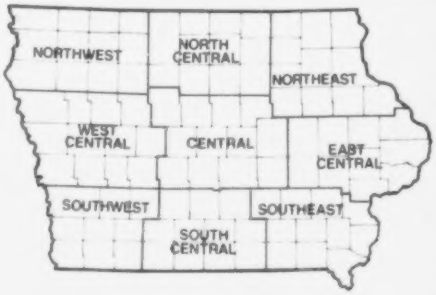
wind chill table

	AIR TEMPERATURE (°F)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
	WIND CHILL INDEX (EQUIVALENT TEMPERATURE) Equivalent in cooling power on exposed flesh																
WIND SPEED MPH																	
4	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
	COLD																
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
		VERY COLD															
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
				BITTERLY COLD													
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-81	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
						EXTREME COLD											
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

Wind speeds greater than 40 mph have little additional chilling effect.
Source: "Winds Over Iowa", Iowa Department of Agriculture, State Climatology Office.

climate

(annual averages)



(1941-1970)

PRECIPITATION (Inches)	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	0.59	0.96	1.57	2.35	3.87	4.84	3.59	3.36	3.03	1.76	0.95	0.80	27.69
North Central	0.87	0.94	2.02	2.78	4.18	5.13	4.19	3.56	3.21	1.97	1.20	1.04	31.09
Northeast	1.05	0.91	2.20	3.11	4.13	5.03	4.20	3.54	3.62	2.32	1.58	1.25	32.94
West Central	0.75	0.99	1.88	2.72	4.10	5.30	3.56	3.77	2.96	1.94	1.08	0.83	29.87
Central	1.00	1.00	2.20	3.05	4.30	5.26	3.87	3.66	3.26	2.16	1.34	1.06	32.18
East Central	1.37	1.07	2.37	3.48	3.97	4.94	3.97	3.39	3.74	2.50	1.87	1.54	34.21
Southwest	0.82	0.98	2.07	2.94	4.32	5.59	3.79	4.19	3.66	2.33	1.24	0.93	32.86
South Central	1.16	1.02	2.31	3.33	4.10	5.23	3.70	3.90	3.80	2.43	1.51	1.21	33.69
Southeast	1.45	1.14	2.43	3.62	3.80	4.79	4.02	3.53	3.75	2.72	1.72	1.59	34.56

TOTAL SNOWFALL (Inches)

	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	5.7	7.8	8.8	1.6	0.2	0	0	0	T	0.3	3.9	6.6	34.7
North Central	7.0	7.4	10.6	1.4	0.1	0	0	0	0.1	T	3.5	7.9	38.0
Northeast	7.7	6.2	9.4	0.8	0.1	0	0	0	T	T	2.5	8.2	34.9
West Central	6.8	6.4	8.6	1.3	0.2	0	0	0	T	0.2	3.1	5.9	32.5
Central	6.9	6.6	8.2	0.8	0.1	0	0	0	T	0.1	2.1	6.5	31.3
East Central	7.3	6.0	7.3	0.7	T	0	0	0	T	0.1	1.4	7.4	30.2
Southwest	6.0	5.5	6.7	0.9	0.1	0	0	0	T	0.1	2.0	5.5	26.8
South Central	7.0	5.2	6.6	0.7	T	0	0	0	T	0.1	1.5	6.2	27.3
Southeast	7.1	5.2	6.2	0.4	T	0	0	0	T	0.1	1.2	6.4	26.6

TEMPERATURE (F degrees)	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	15.8	20.9	31.0	47.3	59.0	68.5	73.1	71.5	61.7	51.7	34.7	21.6	46.4
North Central	15.6	20.3	30.7	47.1	58.8	68.4	72.4	70.8	61.5	51.8	34.8	21.4	46.1
Northeast	17.1	21.4	31.8	47.5	58.3	68.0	72.1	70.6	61.6	51.8	35.6	22.4	46.5
West Central	19.0	24.3	33.8	49.6	60.9	69.9	74.4	72.8	63.5	53.6	37.0	24.6	48.6
Central	19.2	24.0	33.9	49.5	60.7	69.8	74.1	72.4	63.4	53.7	37.4	24.6	48.6
East Central	20.7	25.0	35.1	50.0	60.7	70.1	74.0	72.5	64.0	54.0	38.5	25.8	49.2
Southwest	22.2	27.5	36.6	51.5	62.1	71.0	75.6	73.9	64.9	55.0	39.2	27.3	50.6
South Central	22.3	27.2	36.5	51.3	61.8	70.6	75.1	73.5	64.9	55.3	39.6	27.4	50.5
Southeast	23.1	27.7	37.3	51.9	62.4	71.6	75.7	74.1	65.7	55.8	40.4	28.1	51.2

MEAN DEGREE DAYS	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	1525	1246	1054	535	231	53	8	19	144	426	909	1345	7,495
North Central	1531	1263	1063	539	231	47	10	23	138	419	906	1352	7,522
Northeast	1485	1232	1029	528	233	46	11	25	135	420	882	1321	7,347
West Central	1426	1150	967	465	185	34	4	14	107	366	840	1252	6,810
Central	1420	1158	964	477	198	34	4	19	111	375	828	1252	6,840
East Central	1373	1130	927	453	190	24	3	14	89	356	795	1215	6,569
Southwest	1327	1059	880	416	165	26	5	10	86	328	774	1169	6,245
South Central	1324	1068	884	419	168	23	2	12	85	323	762	1166	6,236
Southeast	1299	1054	859	402	163	20	0	11	67	310	738	1144	6,067
State	1412	1151	959	470	196	34	5	16	107	369	826	1246	679

T - Trace

crime rates[1] selected midwest states, 1980

State	Index Rate	Violent Crime Rate	Property Crime Rate
United States	5,899.9	580.8	5,319.1
Iowa	4,728.6	199.8	4,528.8
Missouri	5,433.1	554.5	4,878.6
Ohio	5,431.4	498.3	4,933.1
Kansas	5,378.8	389.3	4,989.5
Illinois	5,275.3	494.3	4,781.0
Indiana	4,930.4	377.8	4,552.5
Minnesota	4,799.5	227.8	4,571.7
Wisconsin	4,798.6	182.6	4,616.0
Nebraska	4,305.2	224.6	4,080.6
South Dakota	3,243.2	126.8	3,116.3

[1] Reported offenses per 100,000 population.
Source: Iowa Department of Public Safety Research and Development Bureau.

total crimes reported by county, 1979-1980

County	Total Crimes 1979	Total Crimes 1980	Violent Crimes 1979	Violent Crimes 1980	Property Crimes 1979	Property Crimes 1980
Adair	109	108	2	0	107	108
Adams	153	163	0	2	153	161
Allamakee	312	375	4	4	308	371
Appanoose	559	762	23	63	536	699
Audubon	147	209	6	5	141	204
Benton	431	559	16	23	415	536
Blackhawk	9,528	9,499	380	311	9,148	9,188
Boone	809	1,018	5	13	804	1,005
Bremer	632	699	44	52	588	647
Buchanan	676	667	13	7	663	660
Buena Vista	825	931	11	11	814	920
Butler	245	263	0	4	245	259
Calhoun	254	304	1	1	253	303
Carroll	476	612	24	38	452	574
Cass	386	390	1	3	385	387
Cedar	308	399	5	6	303	393
Cerro Gordo	3,099	3,655	144	182	2,955	3,473
Cherokee	258	399	6	15	252	384
Chickasaw	230	271	4	6	226	265
Clarke	248	190	3	2	245	188
Clay	771	773	11	9	760	764
Clayton	208	293	14	7	194	286
Clinton	2,934	3,235	64	68	2,870	3,167
Crawford	324	366	2	1	322	365
Dallas	706	900	15	43	691	857
Davis	143	198	2	1	141	197
Decatur	108	118	2	10	106	108
Delaware	323	322	21	20	302	302
Des Moines	2,359	2,436	99	96	2,260	2,340
Dickinson	482	560	1	10	481	550
Dubuque	4,733	5,129	107	115	4,626	5,014
Emmet	194	296	3	0	191	296
Fayette	616	686	11	15	605	671
Floyd	391	463	9	16	382	447
Franklin	263	223	5	3	258	220
Fremont	163	210	5	5	158	205
Greene	389	404	2	4	387	400
Grundy	107	133	6	4	101	129
Guthrie	123	162	3	7	120	155
Hamilton	661	670	5	3	656	667
Hancock	199	252	2	2	197	250
Hardin	656	727	16	11	640	716
Harrison	351	358	9	2	342	356
Henry	319	369	4	18	315	351
Howard	197	197	0	1	197	196
Humboldt	250	283	6	6	244	277
Ida	179	138	1	2	178	136
Iowa	208	287	7	9	201	278
Jackson	354	653	3	7	351	646
Jasper	1,379	1,590	26	25	1,353	1,565
Jefferson	502	454	2	4	500	450
Johnson	4,734	5,073	207	251	4,527	4,822
Jones	350	391	0	3	350	388
Keokuk	207	194	2	2	205	192
Kossuth	509	537	0	5	509	532
Lee	2,028	2,235	42	39	1,986	2,196
Linn	10,646	11,448	481	439	10,165	11,009
Louisa	458	418	3	8	455	410
Lucas	357	357	23	26	334	331
Lyon	25	93	0	2	25	91
Madison	207	223	0	4	207	219
Mahaska	855	1,117	25	29	830	1,088
Marion	751	790	19	25	732	765
Marshall	1,832	2,044	79	93	1,753	1,951
Mills	496	491	3	17	493	474
Mitchell	166	167	4	1	162	166
Monona	257	313	3	3	254	310
Monroe	357	368	10	0	347	368
Montgomery	395	464	7	1	388	463
Muscatine	1,628	2,051	28	30	1,600	2,021
O'Brien	340	388	1	8	339	380
Osceola	41	63	0	0	41	63
Page	571	614	12	21	559	593
Palo Alto	271	357	13	20	258	337
Plymouth	379	455	8	16	371	439
Pocahontas	133	183	4	[illegible]	129	179
Polk	23,656	25,843	1,409	1,443	22,247	24,400
Pottawattamie	6,116	6,168	328	398	5,788	5,770
Poweshiek	425	477	4	9	421	468
Ringgold	118	94	0	1	118	93
Sac	167	229	9	1	158	228
Scott	9,344	10,762	806	990	8,538	9,772
Shelby	299	305	23	8	276	297
Sioux	232	290	10	2	222	288
Story	3,319	3,613	104	132	3,215	3,481
Tama	389	506	15	24	374	482
Taylor	111	162	2	3	109	159
Union	426	451	13	5	413	446
Van Buren	130	163	0	3	130	160
Wapello	1,246	1,601	30	18	1,216	1,583
Warren	1,048	1,080	52	42	996	1,038
Washington	480	418	6	22	474	396
Wayne	134	149	4	3	130	146
Webster	1,901	1,946	34	22	1,867	1,924
Winnebago	326	313	17	18	309	295
Winneshiek	495	534	8	20	487	514
Woodbury	5,767	6,862	245	321	5,522	6,541
Worth	188	217	4	6	184	211
Wright	286	388	6	12	280	376
IOWA	124,873	137,763	5,258	5,822	119,615	131,941

Source: Iowa Uniform Crime Reports-1980, Iowa Department of Public Safety.

crimes reported by county, 1980

County	Violent Crimes				Property Crimes		
	Murder	Rape	Robbery	Assault	Burglary	Larceny	M.V. Theft
Adair	0	0	0	0	38	67	3
Adams	0	0	1	1	33	126	2
Allamakee	1	1	0	2	90	266	15
Appanoose	1	0	1	61	211	466	22
Audubon	0	0	0	5	57	140	7
Benton	1	0	3	19	167	335	34
Black Hawk	3	22	110	176	2,497	6,340	351
Boone	2	2	2	7	196	747	62
Bremer	0	1	5	46	130	482	35
Buchanan	0	0	2	5	217	404	39
Buena Vista	0	2	1	8	115	784	21
Butler	0	1	1	2	116	138	5
Calhoun	0	0	0	1	90	200	13
Carroll	0	1	1	36	114	439	21
Cass	0	1	2	0	107	266	14
Cedar	1	0	1	4	146	217	30
Cerro Gordo	0	9	23	150	757	2,547	169
Cherokee	0	2	0	13	64	284	36
Chickasaw	0	0	0	6	67	183	15
Clarke	0	0	0	2	47	129	12
Clay	0	0	2	7	151	591	22
Clayton	0	0	0	7	88	180	18
Clinton	1	12	21	34	534	2,411	222
Crawford	0	0	0	1	86	262	17
Dallas	0	1	4	38	266	557	34
Davis	0	0	[illegible]	0	83	89	25
Decatur	1	1	0	8	46	54	8
Delaware	0	2	1	17	42	249	11
Des Moines	4	5	12	75	384	1,851	105
Dickinson	0	0	1	9	126	408	16
Dubuque	2	12	38	63	1,130	3,527	357
Emmet	0	0	0	0	38	251	7
Fayette	0	1	4	10	164	470	37
Floyd	0	2	1	13	73	340	34
Franklin	1	0	2	0	45	168	7
Fremont	0	2	0	3	43	150	12
Greene	0	0	1	3	106	271	23
Grundy	0	0	1	3	52	63	14
Guthrie	0	0	0	7	34	111	10
Hamilton	0	0	2	1	172	432	63
Hancock	0	1	0	1	73	164	13
Hardin	0	2	1	8	160	511	45
Harrison	0	0	0	2	100	223	33
Henry	2	0	1	15	124	207	20
Howard	0	0	0	1	26	152	18
Humboldt	0	2	0	4	58	188	31
Ida	0	0	0	2	34	102	0
Iowa	2	0	0	7	66	201	11
Jackson	0	1	4	2	166	454	26
Jasper	0	2	8	15	384	1,116	65

crimes reported by county, 1980 (continued)

County	Violent Crimes				Property Crimes		
	Murder	Rape	Robbery	Assault	Burglary	Larceny	M.V. Theft
Jefferson	0	0	3	1	99	338	13
Johnson	0	17	34	200	922	3,689	211
Jones	0	0	0	3	62	303	23
Keokuk	0	1	0	1	57	128	7
Kossuth	0	1	0	4	108	396	28
Lee	1	3	9	26	531	1,524	141
Linn	2	25	123	289	2,535	7,923	551
Louisa	0	0	1	7	144	251	15
Lucas	0	1	1	24	97	201	33
Lyon	0	2	0	0	37	50	4
Madison	0	1	2	1	68	144	7
Mahaska	0	1	7	21	326	720	42
Marion	1	3	2	19	183	546	36
Marshall	1	6	11	75	558	1,301	92
Mills	0	2	0	15	114	345	15
Mitchell	0	0	1	0	25	131	10
Monona	0	1	0	2	99	192	19
Monroe	0	0	0	0	153	493	22
Montgomery	0	0	0	1	75	345	43
Muscatine	4	1	11	14	369	1,559	93
O'Brien	0	3	1	4	78	289	13
Osceola	0	0	0	0	5	58	0
Page	1	0	3	17	82	492	19
Palo Alto	0	1	0	19	145	178	14
Plymouth	0	2	0	14	81	327	31
Pocahontas	0	1	0	3	31	147	1
Polk	18	123	552	750	5,190	17,740	1,470
Pottawattamie	5	29	105	259	1,625	3,753	392
Poweshiek	2	0	3	4	161	290	17
Ringgold	1	0	0	0	87	3	3
Sac	0	0	0	1	62	160	6
Scott	4	46	364	576	3,100	6,205	467
Shelby	0	1	3	4	81	200	16
Sioux	0	0	1	1	41	231	16
Story	0	3	4	125	698	2,610	173
Tama	4	2	0	18	166	277	39
Taylor	1	0	1	1	20	133	6
Union	0	0	1	4	135	292	19
Van Buren	0	0	1	2	61	96	3
Wapello	1	0	10	7	502	992	89
Warren	0	4	9	29	261	720	57
Washington	0	0	4	18	109	269	18
Wayne	0	0	2	1	75	68	3
Webster	0	3	14	5	357	1,372	195
Winnebago	0	2	1	15	51	232	12
Winneshiek	0	1	0	19	85	404	25
Woodbury	1	37	60	223	1,211	4,912	418
Worth	0	0	2	4	68	130	13
Wright	0	1	1	10	99	249	28
IOWA	69	412	1,605	3,736	31,342	93,421	7,178

Source: Iowa Uniform Crime Reports–1980, Iowa Department of Public Safety.

mineral production, Iowa[1]

Quantity (Short Tons)

	1960	1965	1970	1975	1977	1978	1979	1980
Cement								
Portland	2,276,000	2,565,000	2,396,000	2,225,000	2,645,000	2,743,000	2,511,000	2,098,000
Masonry	57,700	85,000	72,800	62,000	86,000	91,000	71,000	50,000
Clays	1,022,000	1,085,000	1,181,000	959,000	883,000	845,000	843,000	678,000
Coal (Bituminous)	1,068,000	1,043,000	987,457	622,000	500,000	432,000	696,230	559,400
Gypsum	1,283,000	1,254,000	1,135,886	1,208,000	1,593,000	1,873,000	1,507,000	1,402,000
Sand and Gravel	14,692,000	18,205,000	21,058,000	15,210,000	16,600,000	17,000,000	18,500,000	13,100,000
Stone	23,185,000	25,891,000	25,305,000	30,360,000	29,183,000	29,900,000	29,611,000	26,700,000

[1] Production is measured by mine shipments, sales, or marketable production (includes consumption by producers).

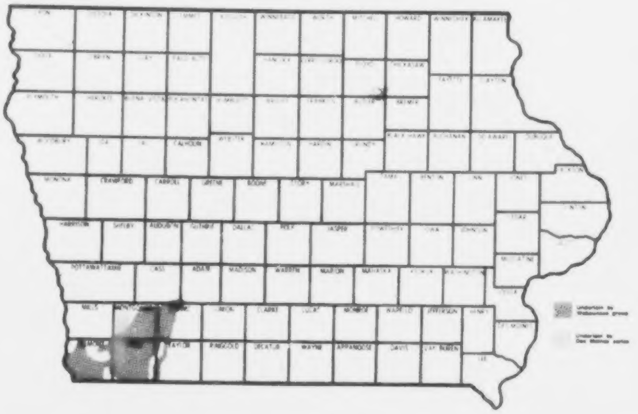
Source: U.S. Department of the Interior, Bureau of Mines, "Minerals Yearbook, Volume III," 1960; 1965 through 1969; Reprint from 1971 Bureau of Mines, "Minerals Yearbook," Iowa Mines and Minerals Department, 1972 data. 1973-80 data provided by the Iowa Geological survey.

Iowa coal tonnage

1965	1,045,607	1973	601,000
1966	1,025,765	1974	590,000
1967	896,556	1975	622,000
1968	878,366	1976	600,000
1969	902,911	1977	500,000
1970	987,457	1978	432,000
1971	979,086	1979	696,230
1972	862,884	1980	559,400

Source: Iowa Mines and Mineral Department, "Mineral Production in Iowa." 1974-80 figures provided by the Iowa Geological Survey.

Distribution of Pennsylvania Rock

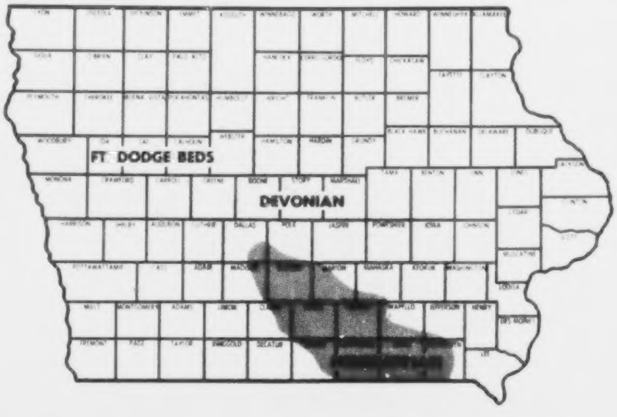


summary of reserves

The estimated original coal reserves of Iowa total 7,236.54 million short tons, of which 3,500.72 million tons is classed as measured and indicated reserves and 3,735.82 million tons is classed as inferred. A total area of about 1,316,040 acres in 37 counties was included in the reserve calculations; an additional area of about 1,291,830 acres in 44 counties is indicated by the currently available information to be favorable for the presence of coal beds more than 14 inches thick.

Source: Coal Resources of Iowa, Technical Paper #4 Iowa Geological Survey, 1965.

Gypsum Resource Areas



mineral production in Iowa by counties[1]
(thousands)

County	1975	1976	Minerals produced in 1976 in order of value
Adair	W	W	Stone.
Adams	W	W	Do.
Allamakee	W	W	Stone, sand and gravel.
Appanoose	W	$ 2,047	Stone, clays, sand and gravel.
Audubon	W	—	
Benton	W	1,188	Stone, sand and gravel.
Black Hawk	W	W	Do.
Boone	$ 1,460	569	Sand and gravel.
Bremer	W	W	Stone, sand and gravel.
Buchanan	W	W	Do.
Buena Vista	48	W	Sand and gravel.
Butler	W	309	Stone, sand and gravel.
Carroll	524	504	Sand and gravel.
Cass	W	W	Stone.
Cedar	W	W	Stone, sand and gravel.
Cerro Gordo	W	W	Cement, stone, clays, sand and gravel.
Cherokee	402	652	Sand and gravel.
Chickasaw	W	342	Stone, sand and gravel.
Clark	W	W	Stone.
Clay	176	160	Sand and gravel.
Clayton	1,760	1,834	Sand and gravel, stone
Clinton	W	2,204	Stone, sand and gravel.
Crawford	W	W	Sand and gravel.
Dallas	W	W	Sand and gravel, clays.
Davis	W	W	Stone, sand and gravel.
Decatur	W	W	Stone.
Delaware	W	W	Stone, sand and gravel.
Des Moines	W	W	Stone, gypsum, sand and gravel.
Dickinson	219	338	Sand and gravel.
Dubuque	1,458	W	Stone.
Emmett	301	229	Sand and gravel.
Fayette	1,218	1,376	Stone, sand and gravel.
Floyd	610	W	Stone, sand and gravel, clays.
Franklin	W	W	Do.
Fremont	W	W	Stone, sand and gravel.
Greene	305	W	Sand and gravel.
Grundy	W	50	Do.
Guthrie	W	W	Do.
Hamilton	W	W	Sand and gravel, stone.
Hancock	W	W	Stone, sand and gravel, peat.
Hardin	W	3,353	Stone, sand and gravel.
Harrison	W	W	Do.
Henry	W	W	Do.
Howard	W	416	Do.
Humboldt	W	W	Do.
Ida	34	44	Sand and gravel.
Iowa	W	W	Do.
Jackson	W	W	Stone, sand and gravel.
Jasper	W	W	Sand and gravel, stone.
Jefferson	258	W	Stone.
Johnson	2,131	W	Stone, sand and gravel.
Jones	3,031	1,374	Do.
Keokuk	W	W	Stone.
Kossuth	W	84	Sand and gravel.
Lee	W	W	Stone, sand and gravel.
Linn	4,243	3,820	Do.
Louisa	W	W	Stone.
Lucas	W	W	Coal.
Lyon	645	13	Sand and gravel.
Madison	W	W	Stone, clays.
Mahaska	W	W	Coal, sand and gravel, stone.
Marion	W	W	Stone, coal, sand and gravel, gypsum.
Marshall	W	W	Stone, sand and gravel.
Mills	W	W	Stone.
Mitchell	W	W	Stone, sand and gravel.
Monona	495	445	Sand and gravel.
Monroe	W	W	Coal, stone.
Montgomery	W	W	Sand and gravel, stone.
Muscatine	W	W	Do.
O'Brien	247	W	Sand and gravel.
Osceola	W	W	Do.
Page	W	W	Stone, sand and gravel.
Palo Alto	279	348	Sand and gravel.
Plymouth	662	961	Do.
Pocahontas	W	W	Stone, sand and gravel.
Polk	W	W	Cement, sand and gravel, clays.
Pottewattamie	W	W	Stone.
Poweshiek	W	W	Stone.
Sac	535	645	Sand and gravel.
Scott	22,384	25,187	Cement, stone, lime, clays, sand and gravel.
Shelby	W	W	Sand and gravel.
Sioux	1,113	1,257	Do.
Story	W	W	Sand and gravel, stone, clays.
Tama	W	W	Stone, sand and gravel.
Taylor	W	W	Stone.
Union	W	W	Do.
Van Buren	W	W	Stone, sand and gravel.
Wapello	W	W	Sand and gravel, clays, coal.
Warren	W	W	Sand and gravel.
Washington	W	W	Stone.
Webster	W	W	Gypsum, stone, clays, sand and gravel.
Winnebago	436	W	Peat, sand and gravel.
Winneshiek	W	W	Stone, sand and gravel.
Woodbury	202	233	Sand and gravel, clays.
Worth	W	W	Stone, sand and gravel, peat.
Wright	758	405	Sand and gravel.
Undistributed[2]	149,704	165,637	
Total[3]	195,740	216,027	

W Withheld to avoid disclosing company proprietary data; included with "Undistributed."

[1] Calhoun, Ringgold, and Wayne Counties are not listed because no production was reported.

[2] Includes some gem stones that cannot be assigned to specific counties and values indicated by symbol W.

[3] Data may not add to totals shown because of independent rounding.

Source: Bureau of Mines, *Minerals Yearbook*, U.S. Department of the Interior.

value of mineral production in selected midwestern states, 1979

State	Coal: Avg. Mine Price/ton	Coal: Quantity (000 tons)	Coal: Total Value (in thousands)	Value of All Other Minerals (in thousands)	Total Value All Minerals (in thousands)
IOWA	$19.08	724.0	$ 13,814.0	$ 277,901.0	$ 291,715.0
Illinois	22.75	59,507.0	1,353,784.3	476,530.0	1,830,314.3
Ohio	24.09	43,495.0	1,047,794.6	607,320.0	1,655,114.6
Missouri	16.38	6,487.0	106,257.1	1,159,835.0	1,266,092.1
Kansas	20.52	857.0	17,585.6	263,392.0	280,977.6
Indiana	19.22	27,502.0	528,588.4	326,086.0	854,674.4
Minnesota	—	—	—	2,067,990.0	2,067,990.0
Wisconsin	—	—	—	179,682.0	179,682.0
Nebraska	—	—	—	99,181.0	99,181.0
South Dakota	—	—	—	148,686.0	148,686.0
U.S. Total	$23.75	776,229.0	$18,437,101.3	$23,966,000.0	$42,403,101.3

Source: Coal Information — Weekly Coal Report, October 23, 1981, and Energy Data Report, April 30, 181, Energy Information Administration, Department of Energy.
Source: All other minerals: U.S. Department of Interior, U.S. Bureau of Mines, St. Paul office, from 1978-79 Minerals Yearbook, Vol. II.

over half of Iowa's population is urban

The population of the state of Iowa is 2,913,387. The state's largest county, Polk County, has a population of 303,170.

Iowa's 10 largest cities are: Des Moines, 191,003; Cedar Rapids, 110,124; Davenport, 103,264; Sioux City, 82,003; Waterloo, 75,985; Dubuque, 62,321; Council Bluffs, 56,449; Iowa City, 50,508; Ames, 45,775; and Cedar Falls, 36,322.

	The State			Urban				Rural			Percent of total	
		Change From Preceding Census		Places of 2,500 or More		Change From Preceding Census			Change From Preceding Census			
	Population	Number	Percent		Population	Number	Percent	Population	Number	Percent	Urban	Rural
Current urban definition:												
1980 (Apr. 1)	2,913,387	88,019	3.1	123	1,674,811	58,406	3.6	1,238,576	30,605	2.5	57.5	42.5
1970 (Apr. 1)	2,825,041	67,504	2.4	111	1,616,405	153,893	10.5	1,207,971	87,054	6.7	57.2	42.8
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,462,512	211,574	16.9	1,295,025	75,110	5.5	53.0	47.0
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,250,938			1,370,135			47.7	52.3
Previous urban definition:												
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,439,525	210,092	17.1	1,318,012	73,628	5.3	52.2	47.8
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,229,433	145,202	13.4	1,391,640	62,397	4.3	46.9	53.1
1940 (Apr. 1)	2,538,268	67,329	2.7	89	1,084,231	104,939	10.7	1,454,037	37,610	2.5	42.7	57.3
1930 (Apr. 1)	2,470,939	66,918	2.8	81	979,292	103,797	11.9	1,491,647	36,879	2.4	39.6	60.4
1920 (Jan. 1)	2,404,021	179,250	8.1	81	875,495	195,441	28.7	1,528,526	16,191	1.0	36.4	63.6
1910 (Apr. 15)	2,224,771	7,082	0.3	69	680,054	107,668	18.8	1,544,717	114,750	6.9	30.6	69.4
1900 (June 1)	2,231,853	319,556	16.7	70	572,386	166,622	41.1	1,659,467	152,934	10.2	25.6	74.4
1890 (June 1)	1,912,297	287,682	17.7	46	405,764	158,337	64.0	1,506,533	129,345	9.4	21.2	78.8
1880 (June 1)	1,624,615	430,595	36.1	34	247,427	91,100	58.3	1,377,188	339,495	32.7	15.2	84.8
1870 (June 1)	1,194,020	519,107	76.9	22	156,327	96,299	160.4	1,037,693	422,808	68.8	13.1	86.9
1860 (June 1)	674,913	482,699	251.1	9	60,028	50,298	516.9	614,885	432,401	237.0	8.9	91.1
1850 (June 1)	192,214	149,102	345.8	3	9,730	9,730		182,484	139,372	323.3	5.1	94.9
1840 (June 1)	43,112							43,112				100.0

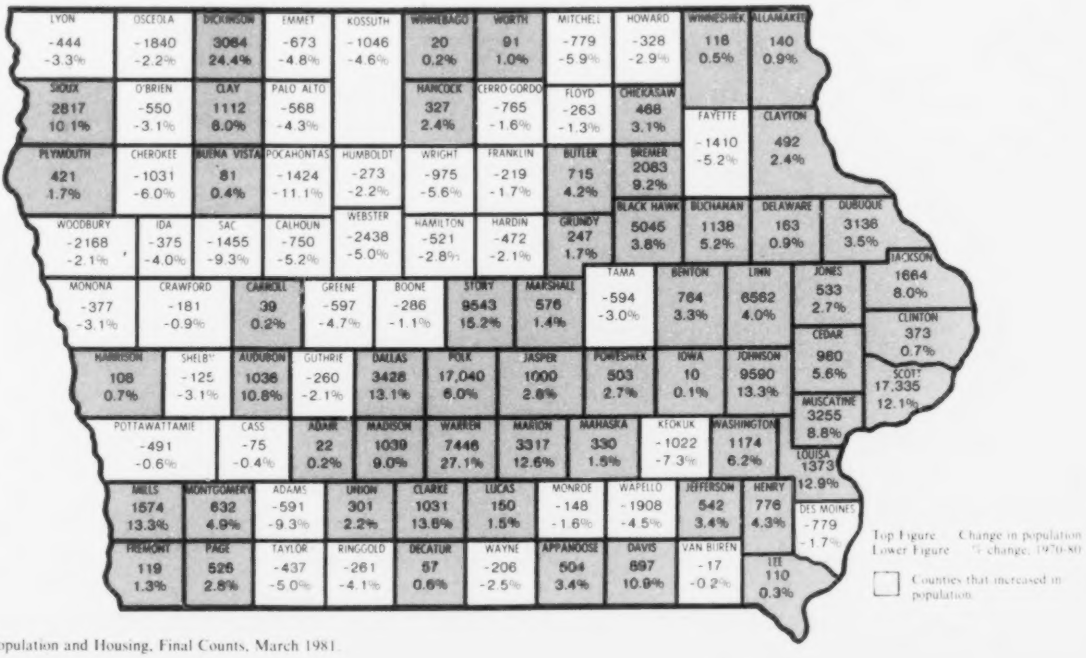
Includes population of area now constituting that part of Minnesota lying west of the Mississippi River and a line drawn from its source northward to the Canadian boundary. This area formed part of Iowa Territory in 1840.
Source: 1980 Census figures, compiled by the Research Division, Iowa Development Commission.

population by race—midwest states, 1980

	Total	White	Black	American Indian	Eskimo	Aleutian	Chinese	Filipino	Japan	Asian Indian	Korean	Viet-namese	Hawaiian	Samoan	Guam	Other
U.S.	226,504,825	188,340,790	26,488,218	1,361,869	42,149	1,477	806,027	774,640	700,747	361,544	354,529	261,714	167,253	42,050	32,132	6,756,986
IOWA	2,913,387	2,838,805	41,700	5,367	59	27	2,110	7,225	1,049	2,147	2,259	2,476	182	59	70	15,852
Illinois	11,418,461	9,225,575	1,675,229	15,833	242	196	28,590	43,839	18,550	35,711	23,980	7,025	1,063	187	606	341,835
Kansas	2,363,208	2,167,752	126,127	15,254	81	36	2,425	1,162	1,585	2,357	2,627	3,690	378	90	264	38,880
Minnesota	4,077,148	3,936,948	53,342	34,841	118	67	4,835	2,675	2,790	3,669	6,318	5,866	243	40	97	25,299
Missouri	4,917,444	4,346,267	514,274	12,127	119	73	4,290	4,029	2,651	4,099	3,519	3,179	633	478	230	21,476
Nebraska	1,570,006	1,490,569	48,389	9,147	26	24	1,106	867	1,378	928	993	1,432	160	27	105	14,855
North Dakota	652,695	625,536	2,568	20,119	32	6	305	446	230	294	342	283	46	13	20	2,455
South Dakota	690,178	63,895	2,144	45,081	17	3	269	282	262	182	258	378	45	24	28	2,250
Wisconsin	4,705,335	4,442,598	182,593	29,318	110	69	4,097	2,698	2,237	3,657	2,643	2,249	383	48	153	32,482

Source: Race of the Population by States, 1980, July 1981. U. S. Dept. of Commerce, Bureau of Census.

population change — 1970-1980


LYON -444 -3.3%
OSCEOLA -1840 -2.2%
DICKINSON 3064 24.4%
EMMET -673 -4.8%
KOSSUTH -1046 -4.6%
WINNEBAGO 20 0.2%
WORTH 91 1.0%
MITCHELL -779 -5.9%
HOWARD -328 -2.9%
WINNESHIEK 118 0.5%
ALLAMAKEE 140 0.9%
SIOUX 2817 10.1%
O'BRIEN -550 -3.1%
CLAY 1112 6.0%
PALO ALTO -568 -4.3%
HANCOCK 327 2.4%
CERRO GORDO -765 -1.6%
FLOYD -263 -1.3%
CHICKASAW 468 3.1%
FAYETTE -1410 -5.2%
CLAYTON 492 2.4%
PLYMOUTH 421 1.7%
CHEROKEE -1031 -6.0%
BUENA VISTA 81 0.4%
POCAHONTAS -1424 -11.1%
HUMBOLDT -273 -2.2%
WRIGHT -975 -5.6%
FRANKLIN -219 -1.7%
BUTLER 715 4.2%
BREMER 2083 9.2%
WOODBURY -2168 -2.1%
IDA -375 -4.0%
SAC -1455 -9.3%
CALHOUN -750 -5.2%
WEBSTER -2438 -5.0%
HAMILTON -521 -2.8%
HARDIN -472 -2.1%
GRUNDY 247 1.7%
BLACK HAWK 5045 3.8%
BUCHANAN 1138 5.2%
DELAWARE 163 0.9%
DUBUQUE 3136 3.5%
MONONA -377 -3.1%
CRAWFORD -181 -0.9%
CARROLL 39 0.2%
GREENE -597 -4.7%
BOONE -286 -1.1%
STORY 9543 15.2%
MARSHALL 576 1.4%
TAMA -594 -3.0%
BENTON 764 3.3%
LINN 6562 4.0%
JONES 533 2.7%
JACKSON 1664 8.0%
HARRISON 108 0.7%
SHELBY -125 -3.1%
AUDUBON 1036 10.8%
GUTHRIE -260 -2.1%
DALLAS 3428 13.1%
POLK 17,040 6.0%
JASPER 1000 2.8%
POWESHIEK 503 2.7%
IOWA 10 0.1%
JOHNSON 9590 13.3%
CEDAR 980 5.6%
CLINTON 373 0.7%
SCOTT 17,335 12.1%
POTTAWATTAMIE -491 -0.6%
CASS -75 -0.4%
ADAIR 22 0.2%
MADISON 1030 9.0%
WARREN 7446 27.1%
MARION 3317 12.6%
MAHASKA 330 1.5%
KEOKUK -1022 -7.3%
WASHINGTON 1174 6.2%
MUSCATINE 3255 8.8%
LOUISA 1373 12.9%
MILLS 1574 13.3%
MONTGOMERY 632 4.9%
ADAMS -591 -9.3%
UNION 301 2.2%
CLARKE 1031 13.6%
LUCAS 150 1.5%
MONROE -148 -1.6%
WAPELLO -1908 -4.5%
JEFFERSON 542 3.4%
HENRY 776 4.3%
DES MOINES -779 -1.7%
FREMONT 119 1.3%
PAGE 526 2.8%
TAYLOR -437 -5.0%
RINGGOLD -261 -4.1%
DECATUR 57 0.6%
WAYNE -206 -2.5%
APPANOOSE 504 3.4%
DAVIS 897 10.9%
VAN BUREN -17 -0.2%
LEE 110 0.3%
Top Figure Change in population
Lower Figure % change, 1970-80
Counties that increased in population

Source: 1980 Census of Population and Housing, Final Counts, March 1981.

population and land area of counties, 1981 and 1970

	1980 Population						1970 Population			Percent Change, 1970 to 1981		
	Land Area in Square Miles, 1981	Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
IOWA	55,941	2,913,387	52.1	1,674,811	57.5	1,238,576	2,825,041	1,616,405	1,207,971	3.1	3.6	2.5
Adair	569	9,509	16.7			9,509	9,487		9,487	.2		.2
Adams	426	5,731	13.4			5,731	6,322		6,322	9.3		9.3
Allamakee	636	15,108	23.8	3,775	25.0	11,333	14,968	3,883	11,085	.9	2.7	2.2
Appanoose	523	15,511	29.7	6,558	42.3	8,953	15,007	6,531	8,476	3.4	.4	5.6
Audubon	448	8,559	19.1	2,841	33.2	5,718	9,595	2,907	6,688	10.8	2.3	16.9
Benton	718	23,649	32.9	7,943	33.6	15,706	22,885	7,655	15,230	3.3	3.7	3.1
Black Hawk	568	137,916	242.8	117,105	84.9	20,811	132,916	112,881	20,035	3.8	3.7	3.8
Boone	573	26,184	45.7	12,602	48.1	13,582	26,470	12,468	14,002	1.1	1.1	2.9
Bremer	439	24,820	56.5	8,444	34.0	16,376	22,737	7,205	15,532	9.2	17.2	5.4
Buchanan	568	22,900	40.3	6,360	27.8	16,540	21,762	5,910	15,836	5.2	8.0	4.4
Buena Vista	572	20,774	36.3	8,814	42.4	11,960	20,693	8,591	12,102	.4	2.6	1.1
Butler	582	17,668	30.4	—	—	17,668	16,953		16,953	4.2		4.2
Calhoun	571	13,542	23.7	—	—	13,542	14,292		14,292	5.2		5.2
Carroll	574	22,951	39.9	9,705	42.3	13,246	22,912	8,716	14,196	.2	11.3	6.7
Cass	559	16,932	30.3	7,789	46.0	9,143	17,007	7,306	9,701	0.4	6.6	5.7
Cedar	585	18,635	31.9	3,055	16.4	15,580	17,655	2,877	14,778	5.6	6.2	5.4
Cerro Gordo	575	48,458	84.3	37,602	77.6	10,856	49,223	36,921	12,414	1.6	1.8	12.5
Cherokee	573	16,238	28.3	7,004	43.1	9,234	17,269	7,272	9,997	6.0	3.7	7.6
Chickasaw	505	15,437	30.6	3,940	25.5	11,497	14,969	3,621	11,348	3.1	8.8	1.3
Clarke	429	8,612	20.1	3,750	43.5	4,862	7,581	3,124	4,457	13.6	20.0	9.0
Clay	570	19,576	34.3	11,726	59.8	7,850	18,464	10,278	8,186	6.0	14.1	4.1
Clayton	779	21,098	27.1	—	—	21,098	20,606		20,606	2.4		2.4
Clinton	693	57,122	82.4	42,065	73.6	15,057	56,749	41,836	14,913	.7	.5	.9
Crawford	716	18,935	26.4	6,675	35.2	12,260	19,116	6,218	12,898	.9	7.3	4.9
Dallas	597	29,513	49.4	9,899	33.5	19,614	26,085	6,906	19,179	13.1	43.3	2.2
Davis	509	9,104	17.8	2,849	31.3	6,255	8,207	2,718	5,489	10.9	4.8	13.9
Decatur	530	9,794	18.5	2,705	27.6	7,089	9,737	2,540	7,197	.6	6.5	1.5
Delaware	572	18,933	33.1	4,942	26.1	13,991	18,770	4,641	14,056	.9	6.5	.4
Des Moines	408	46,203	113.2	32,630	70.6	13,573	46,982	35,505	11,477	-1.7	-8.0	18.3
Dickinson	380	15,629	41.1	3,976	26.0	11,293	12,565	3,014	9,551	24.4	31.9	18.2

population and land area of counties, 1981 and 1970 (continued)

	1980 Population						1970 Population			Percent Change, 1970 to 1981		
	Land Area in Square Miles, 1981	Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
Dubuque	612	93,745	153.2	66,027	70.4	27,718	90,609	66,506	24,103	3.5	.7	15.0
Emmet	394	13,336	33.8	7,518	56.4	5,818	14,009	8,108	5,901	-4.8	-7.3	-1.4
Fayette	728	25,488	35.1	10,347	40.6	15,141	26,898	10,359	16,539	-5.2	-.1	-8.5
Floyd	503	19,597	40.0	8,778	44.8	10,819	19,860	9,268	10,592	-1.3	-5.3	2.1
Franklin	586	13,036	22.2	4,630	35.5	8,406	13,255	4,376	8,879	-1.7	5.8	-5.3
Freemont	524	9,401	17.9	—	—	9,401	9,282	—	9,282	1.3	—	1.3
Greene	569	12,119	21.3	4,854	40.1	7,265	12,716	4,735	7,981	-4.7	2.5	-9.0
Grundy	501	14,366	28.7	2,880	20.1	11,486	14,119	2,712	11,407	1.7	6.2	.7
Guthrie	596	11,983	20.1	—	—	11,983	12,243	—	12,243	-2.1	—	-2.1
Hamilton	577	17,862	31.0	8,572	48.0	9,290	18,383	8,488	9,895	-2.8	1.0	-6.1
Hancock	570	13,833	24.3	2,908	21.0	10,925	13,506	2,372	13,112	2.4	22.6	16.7
Hardin	574	21,776	37.9	9,237	42.4	12,529	22,248	9,677	12,571	-2.2	-4.5	-.3
Harrison	696	16,348	23.5	3,107	19.0	13,241	16,240	3,519	12,721	.7	-11.7	4.1
Henry	440	18,890	42.9	7,322	38.8	11,568	18,114	7,007	11,107	4.3	4.5	4.2
Howard	471	11,114	23.6	3,860	34.7	7,254	11,442	3,927	7,515	-2.9	-1.7	-3.5
Humboldt	435	12,246	28.2	4,794	39.1	7,452	12,519	4,665	7,854	-2.2	2.8	-5.1
Ida	431	8,908	20.7	—	—	8,908	9,283	—	9,190	-4.0	—	-4.0
Iowa	584	15,429	26.4	—	—	15,429	15,419	—	15,419	.1	—	.1
Jackson	644	22,503	30.5	6,313	28.1	16,190	20,839	5,677	15,162	8.0	11.2	6.8
Jasper	737	36,425	49.4	15,292	42.0	21,133	35,425	15,619	19,806	2.8	-2.1	6.7
Jefferson	436	16,316	37.4	9,428	57.8	6,888	15,774	8,715	7,059	3.4	8.2	-2.4
Johnson	619	81,717	132.0	64,508	78.9	17,209	72,127	52,980	19,147	13.3	21.8	10.1
Jones	585	20,401	34.9	8,599	42.1	11,802	19,868	7,898	11,970	2.7	8.9	-1.4
Keokuk	579	12,921	22.3	—	—	12,921	13,943	—	13,943	-7.3	—	-7.3
Kossuth	979	21,891	22.4	6,289	28.7	15,602	22,937	6,032	16,905	-4.6	4.3	-7.7
Lee	527	43,106	81.8	27,056	62.8	16,050	42,996	28,627	14,369	.3	-5.5	11.7
Linn	717	169,775	236.8	137,867	81.2	31,808	163,213	135,026	28,187	4.0	2.1	12.8
Louisa	403	12,055	29.9	—	—	12,055	10,682	—	10,682	12.9	—	12.9
Lucas	434	10,313	23.8	4,987	48.4	5,326	10,163	5,009	5,154	1.5	-.4	3.3
Lyon	588	12,896	22.1	2,693	20.9	10,203	13,340	2,632	10,708	-3.3	2.3	-4.7
Madison	564	12,597	22.3	4,021	31.9	8,576	11,558	3,654	7,904	9.0	10.0	8.5
Mahaska	572	22,507	39.3	10,629	47.2	11,878	22,177	11,224	10,953	1.5	-5.3	8.4
Marion	498	29,669	59.6	16,492	55.6	13,177	26,352	14,423	11,929	12.6	14.3	10.5
Marshall	574	41,562	72.6	26,938	64.7	14,714	41,076	26,219	14,857	-1.4	2.7	-1.0
Mills	447	13,406	30.0	5,280	39.4	8,126	11,832	4,195	7,411	13.3	25.9	9.6
Mitchell	467	12,329	26.4	3,718	30.2	8,611	13,108	3,815	9,293	-5.9	-2.5	-7.3
Monona	699	11,692	16.7	3,283	28.1	8,409	12,069	3,154	8,915	-3.1	4.1	-5.7
Monroe	435	9,209	21.2	4,184	45.4	5,025	9,357	4,151	5,206	-1.6	.8	-3.4
Montgomery	422	13,413	31.8	6,810	50.1	6,603	12,781	6,210	6,571	4.9	9.7	.4
Muscatine	443	40,436	91.3	22,309	79.9	17,827	37,181	22,405	14,776	8.8	-.4	20.6
O'Brien	575	16,972	29.5	5,003	29.5	11,969	17,522	4,535	12,987	-3.1	10.3	-7.8
Osceola	398	8,371	21.0	3,051	36.4	5,320	8,555	2,749	5,806	-2.2	11.0	-8.4
Page	535	19,063	35.6	11,732	61.5	7,331	18,537	11,388	7,119	2.8	3.0	2.9
Palo Alto	561	12,721	22.7	4,621	36.3	8,100	13,289	4,150	9,139	-4.3	11.3	-11.4
Plymouth	863	24,743	28.7	8,853	35.8	15,890	24,322	8,159	16,153	1.7	1.9	-1.6
Pocahontas	581	11,369	19.6	—	—	11,369	12,793	—	12,729	-11.1	—	-11.1
Polk	578	303,170	524.5	272,680	89.9	30,490	286,130	265,764	20,337	6.0	2.6	49.9
Pottawattamie	963	86,500	89.8	59,887	69.2	26,613	86,991	64,847	22,144	-.6	-7.6	20.1
Poweshiek	589	19,306	32.7	8,868	45.9	10,438	18,803	8,402	10,401	2.7	5.5	.1
Ringgold	538	6,112	11.4	—	—	6,112	6,373	—	6,373	-4.1	—	-4.1
Sac	578	14,118	24.2	3,000	21.2	11,118	15,573	3,268	12,305	-9.3	-8.2	-9.6
Scott	454	160,022	352.2	136,823	85.5	23,199	142,687	126,295	16,392	12.1	8.3	41.5
Shelby	587	15,043	25.6	5,357	35.6	9,686	15,528	5,049	10,479	-3.1	6.1	-7.6
Sioux	766	30,813	40.2	19,607	63.6	11,206	27,996	9,811	18,185	10.1	99.8	-38.4
Story	568	72,326	127.3	54,449	75.3	17,877	62,783	44,457	18,326	15.2	22.5	-2.5
Tama	720	19,533	27.1	5,413	27.7	14,120	20,147	3,000	17,147	-3.0	80.4	-17.7
Taylor	528	8,353	15.8	—	—	8,353	8,790	—	8,790	-5.0	—	-5.0
Union	425	13,858	32.6	8,429	60.8	5,429	13,557	8,234	5,323	2.2	2.4	2.0
Van Buren	487	8,626	17.7	—	—	8,626	8,643	—	8,643	-.2	—	-.2
Wapello	437	40,241	92.0	27,381	68.0	12,860	42,149	29,610	12,539	-4.5	-7.2	2.6
Warren	558	34,878	62.5	16,592	47.6	18,286	27,432	10,917	16,515	27.1	52.0	10.7
Washington	568	20,141	34.5	6,584	32.7	13,557	18,967	6,317	12,650	6.2	4.2	7.2
Wayne	532	8,199	15.4	—	—	8,199	8,405	—	8,405	-2.5	—	-2.5
Webster	718	45,953	64.0	29,423	64.0	16,530	48,391	31,263	17,128	-5.9	-5.9	-3.5
Winnebago	401	13,010	32.4	4,270	32.8	8,740	12,990	3,726	9,264	.2	14.6	-5.7
Winneshiek	688	21,876	31.8	7,991	36.5	13,885	21,758	7,458	14,300	.5	7.1	-2.9
Woodbury	871	100,884	115.8	82,003	81.3	18,881	103,052	87,157	15,895	-2.1	-5.9	18.8
Worth	400	9,075	22.7	—	—	9,075	8,984	—	8,984	1.0	—	1.0
Wright	577	16,319	28.3	9,889	60.6	6,430	17,294	7,461	9,833	-5.6	32.5	-34.6

Source: 1980 Census of Population and Housing, March 1981. Compiled by Research Division, Iowa Development Commission.

population projections for Iowa counties, 1985-2000

County	1985	1990	1995	2000
Adair	9,929	10,245	10,459	10,616
Adams	6,168	6,193	6,150	6,068
Allamakee	17,211	18,233	19,113	19,882
Appanoose	15,629	15,967	16,236	16,460
Audubon	9,171	9,214	9,147	9,021
Benton	24,810	25,688	26,336	26,731
Black Hawk	143,098	146,357	148,627	150,065
Boone	26,001	25,968	25,812	25,559
Bremer	25,309	26,096	26,716	27,123
Buchanan	24,024	25,248	26,351	27,255
Buena Vista	20,105	20,098	19,955	19,717
Butler	17,412	17,720	17,948	18,116
Calhoun	13,547	13,512	13,376	13,184
Carroll	24,991	26,219	27,235	28,049
Cass	17,599	17,916	18,111	18,227
Cedar	17,918	18,140	18,234	18,213
Cerro Gordo	48,194	48,178	47,851	47,339
Cherokee	16,223	16,242	16,205	16,134
Chickasaw	16,074	16,902	17,641	18,193
Clarke	8,616	9,067	9,438	9,758
Clay	20,353	21,066	21,510	21,735
Clayton	20,761	21,192	21,532	21,801
Clinton	60,426	62,361	63,939	65,097
Crawford	18,424	18,612	18,780	18,864
Dallas	30,590	32,480	34,203	35,603
Davis	9,106	9,432	9,678	9,903
Decatur	9,689	9,691	9,668	9,634
Delaware	19,958	20,948	21,843	22,555
Des Moines	45,402	45,417	45,306	44,970
Dickinson	16,392	17,799	18,980	19,958
Dubuque	98,955	103,386	107,677	111,332
Emmet	13,907	14,018	14,068	14,093
Fayette	24,541	24,240	23,927	23,584
Floyd	20,543	21,011	21,360	21,599
Franklin	13,490	13,712	13,791	13,786
Fremont	9,137	9,187	9,199	9,188
Greene	11,848	11,798	11,712	11,604
Grundy	13,913	13,957	13,899	13,737
Guthrie	12,625	12,931	13,120	13,238
Hamilton	17,468	17,399	17,236	17,006
Hancock	14,003	14,321	14,526	14,661
Hardin	21,394	21,352	21,245	21,074
Harrison	16,936	17,444	17,832	18,150
Henry	17,691	17,771	17,871	17,939
Howard	11,258	11,472	11,610	11,693
Humboldt	12,568	12,777	12,856	12,845
Ida	8,773	8,787	8,757	8,674
Iowa	15,739	16,042	16,257	16,390
Jackson	25,101	26,964	28,659	30,175
Jasper	37,127	37,911	38,388	38,598
Jefferson	14,138	13,751	13,404	13,079

population projections for Iowa counties, 1985-2000 (continued)

County	1985	1990	1995	2000
Johnson	85,730	89,777	93,393	96,867
Jones	20,146	20,511	20,794	20,997
Keokuk	12,937	12,854	12,739	12,606
Kossuth	23,390	24,070	24,543	24,836
Lee	43,347	43,862	44,147	44,229
Linn	170,854	174,217	177,205	178,969
Louisa	11,680	12,068	12,384	12,558
Lucas	10,324	10,524	10,672	10,802
Lyon	13,398	13,750	14,045	14,299
Madison	13,378	14,090	14,637	15,051
Mahaska	22,767	22,920	22,973	22,965
Marion	30,233	31,317	32,126	32,621
Marshall	44,660	46,117	47,323	48,192
Mills	13,275	13,682	13,953	14,108
Mitchell	12,806	13,041	13,163	13,187
Monona	12,088	12,244	12,323	12,404
Monroe	9,522	9,681	9,768	9,827
Montgomery	13,235	13,506	13,681	13,817
Muscatine	41,063	42,770	44,282	45,499
O'Brien	17,466	17,716	17,817	17,794
Osceola	8,219	8,294	8,318	8,333
Page	19,115	19,361	19,477	19,569
Palo Alto	13,673	14,040	14,300	14,493
Plymouth	24,657	25,133	25,468	25,658
Pocahontas	11,307	11,145	10,945	10,737
Polk	315,636	325,652	333,666	339,767
Pottawattamie	87,906	89,419	90,450	91,009
Poweshiek	19,939	20,331	20,561	20,648
Ringgold	6,277	6,292	6,269	6,227
Sac	14,443	14,356	14,196	14,004
Scott	168,903	179,412	189,025	196,953
Shelby	15,182	15,430	15,572	15,606
Sioux	30,793	31,965	32,906	33,581
Story	76,941	80,580	84,002	87,485
Tama	20,326	20,678	20,937	21,124
Taylor	7,851	7,679	7,498	7,319
Union	13,342	13,427	13,476	13,469
Van Buren	8,654	8,796	8,880	8,893
Wapello	40,271	39,922	39,428	38,869
Warren	42,087	47,810	53,287	58,124
Washington	19,341	19,349	19,543	19,634
Wayne	8,161	8,114	8,009	7,910
Webster	46,694	46,734	46,552	46,138
Winnebago	14,007	14,270	14,424	14,480
Winneshiek	21,637	21,813	21,935	21,953
Woodbury	105,279	106,724	107,795	108,661
Worth	8,993	9,104	9,146	9,151
Wright	16,756	16,762	16,609	16,375
State	2,992,674	3,073,741	3,138,416	3,186,073

Source: Office of Planning and Programming for Iowa.

population projections for Iowa, 1985-2000

Age Group	1985	1990	1995	2000
TOTAL	2,992,674	3,073,741	3,138,416	3,186,073
0-4	248,441	255,253	243,162	230,212
5-9	216,672	246,590	253,363	241,379
10-14	214,303	214,405	244,013	250,721
15-19	222,400	208,913	209,035	237,904
20-24	258,298	214,432	201,431	201,544
25-29	268,741	252,428	209,551	196,834
30-34	255,054	265,360	249,254	206,917
35-39	196,882	251,516	261,680	245,771
40-44	162,209	193,969	247,771	257,806
45-49	140,814	158,964	190,175	242,913
50-54	132,866	136,910	154,620	185,069
55-59	139,810	127,352	131,298	148,355
60-64	136,297	131,007	119,474	123,277
65-69	122,542	123,503	118,832	108,580
70-74	101,474	106,287	107,262	103,357
75 plus	175,871	186,852	197,495	205,434
MALE				
TOTAL	1,445,704	1,485,221	1,517,167	1,540,800
0-4	127,099	130,594	124,413	117,790
5-9	110,730	126,058	129,527	123,416
10-14	109,233	109,337	124,478	127,907
15-19	112,647	105,598	105,714	120,353
20-24	129,195	107,562	100,821	100,930
25-29	134,681	126,210	105,071	98,475
30-34	127,194	133,150	124,777	103,868
35-39	92,732	125,193	131,059	122,804
40-44	79,861	91,130	123,040	128,808
45-49	68,869	77,938	88,957	120,123
50-54	132,866	136,910	154,620	185,069
55-59	67,181	60,250	62,976	71,360
60-64	63,560	61,624	55,320	57,903
65-69	54,786	55,299	53,706	48,290
70-74	42,988	44,578	45,066	43,862
75 plus	61,307	64,234	66,986	68,983
FEMALE				
TOTAL	1,546,970	1,588,520	1,621,249	1,645,273
0-4	121,342	124,659	118,749	112,422
5-9	105,942	120,532	123,836	117,963
10-14	105,070	105,068	119,535	122,814
15-19	109,753	103,315	103,321	117,551
20-24	129,103	106,870	100,610	100,614
25-29	105,428	126,218	104,480	98,359
30-34	127,860	132,210	124,477	103,049
35-39	104,150	126,323	130,621	122,967
40-44	82,348	102,839	124,731	128,998
45-49	71,945	81,026	101,218	122,790
50-54	69,225	70,444	79,364	99,141
55-59	72,629	67,102	68,322	76,995
60-64	72,737	69,383	64,154	65,374
65-69	67,756	68,204	65,126	60,290
70-74	58,486	61,709	62,196	59,495
75 plus	114,564	122,618	130,509	136,451

Source: Office of Planning and Programming for Iowa.

population by age, IOWA & the U.S., 1980

	U.S.	IOWA
All Ages	226,504,825	2,913,387
Under 5	16,344,407	221,585
5-9	16,697,134	211,089
10-14	18,240,919	231,669
15-19	21,161,667	277,542
20-24	21,312,557	271,999
25-29	19,517,672	243,229
30-34	17,557,957	205,895
35-39	13,963,008	161,199
40-44	11,668,239	141,417
45-49	11,088,383	135,577
50-54	11,708,984	145,837
55-59	11,614,054	145,823
60-64	10,085,711	133,028
65+	25,544,133	387,498
Median Age	30.0	30.0

Source: Bureau of the Census, U.S. Department of Commerce, July, 1981.

Iowa's 100 fastest growing places increase in population by 25% or more

Places (Ranked)	1970-80 % Change
Johnston	1,078.9
Asbury	392.0
De Soto	180.5
Bondurant	177.7
Wahpeton	149.7
Grimes	136.6
Polk City	131.9
Pleasant Hill	127.6
Long Grove	121.6
Eldridge	113.6
Peosta	110.5
Sergeant Bluff	107.6
West Okoboji	107.1
Buck Grove	104.9
Huxley	101.1
Altoona	99.9
Hiawatha	99.7
Clive	96.5
Plain View	95.7
Treynor	94.9
North Liberty	93.9
Crescent	92.6
Shueyville	86.4
Millville	85.2
Swan	82.1

Places (Ranked)	1970-80 % Change
Ankeny	68.6
McCausland	68.6
Lakeside	66.9
LeGrand	63.0
Van Meter	61.0
Beacon	56.8
Swisher	56.8
Okoboji	54.8
Ely	54.5
Gilbert	54.5
Norwalk	53.4
Princeton	52.4
Fremont	52.1
Branson	49.7
Hudson	47.7
Atalissa	47.5
Luxemburg	46.5
Coburg	44.4
Walcott	44.1
Dakota City	43.7
Martensdale	43.1
Bankston	42.9
Ridgeway	41.3
Montrose	41.2
Waukee	41.2

Places (Ranked)	1970-80 % Change
West Branch	41.2
Denver	40.9
Badger	40.4
Hazelton	40.1
Westphalia	39.7
Meriden	39.5
Readlyn	39.3
Milo	38.7
Tiffin	38.1
Orleans	37.9
Carlisle	36.8
Camanche	36.2
Mediapolis	35.7
Superior	35.3
Vining	35.2
Hinton	35.0
Monroe	35.0
Barnum	34.7
Westfield	34.5
Balltown	34.2
Donahue	33.8
Packwood	33.8
Parnell	33.7
Wilton	33.6
Blue Grass	33.4

Places (Ranked)	1970-80 % Change
Colo	33.3
Fredenia	33.3
West Des Moines	33.2
Sioux Center	33.0
Grandview	32.5
Cushing	32.4
Kinross	31.9
Spirit Lake	31.9
Williamsburg	31.7
Dolliver	31.6
North Buena Vista	31.4
Story City	31.3
Hartford	30.8
Stanton	30.1
New Sharon	29.8
Ionia	29.6
Floris	29.0
Westgate	28.9
Garner	28.8
Delphos	28.6
Orange City	28.4
Newhall	28.2
Franklin	27.9

Source: 1980 Census of Population and Housing, March 1981.

summary of places, 2500 or more inhabitants

City	Persons 1980	Persons 1970	% Change 1970-80	Race: White	Race: Black	Race: Am. Indian Eskimo & Aleut	Race: Asian & Pacific Islander	Race: Other	Spanish Origin	Housing Units 1980	Housing Units 1970	Housing Units % Change 1970-80
Adel	2,846	2,419	17.7	2,829	2	0	6	9	22	1,208	882	37.0
Albia	4,184	4,151	.8	4,162	12	2	3	5	17	1,990	1,678	13.2
Algona	6,289	6,032	4.3	6,254	5	4	14	12	45	2,512	2,090	20.2
Altoona	5,764	2,883	99.9	5,706	9	7	16	26	37	1,964	849	131.3
Ames	45,775	39,505	15.9	43,073	771	43	1,189	699	543	14,809	11,038	34.2
Anamosa	4,958	4,389	13.0	4,832	94	16	4	12	31	1,654	1,319	25.4
Ankeny	15,429	9,151	68.6	15,234	70	18	59	48	98	5,611	2,641	112.5
Atlantic	7,789	7,306	6.6	7,715	9	6	33	26	24	3,353	2,810	19.3
Audubon	2,841	2,907	2.3	2,823	0	0	8	10	10	1,230	1,091	12.7
Belle Plaine	2,903	2,810	3.3	2,888	1	4	1	9	14	1,303	1,153	13.0
Belmond	2,505	2,358	6.2	2,483	0	0	10	12	18	1,060	843	25.7
Bettendorf	27,381	22,126	23.8	26,724	239	48	202	168	439	9,668	6,445	50.0
Bloomfield	2,849	2,718	4.8	2,818	15	2	3	11	5	1,305	1,108	17.8
Boone	12,602	12,468	1.1	12,510	21	7	27	37	65	5,316	4,590	15.8
Burlington	29,529	32,366	8.8	28,254	964	46	99	166	383	12,090	11,979	.9
Camanche	4,725	3,470	36.2	4,697	11	5	7	5	38	1,654	1,077	53.6
Carlisle	3,073	2,246	36.8	3,048	3	2	8	12	17	1,092	698	56.4
Carroll	9,705	8,716	11.3	9,657	1	10	29	8	58	3,545	2,683	32.1
Carter Lake	3,438	3,268	5.2	3,378	0	23	14	14	98	1,127	885	27.3
Cedar Falls	36,222	29,597	22.7	35,477	332	59	303	151	227	12,189	8,286	47.1
Cedar Rapids	110,243	110,642	0.4	106,342	2,555	199	535	612	1,014	43,541	37,979	14.6
Centerville	6,558	6,531	0.4	6,369	99	25	34	31	51	2,945	2,668	10.4
Chariton	4,987	5,009	0.4	4,962	2	5	11	7	11	2,345	2,089	12.3
Charles City	8,778	9,268	-5.3	8,737	3	1	14	23	52	3,576	3,437	4.0
Cherokee	7,004	7,272	-3.7	6,960	7	16	14	7	26	2,863	2,587	10.7
Clarinda	5,458	5,420	0.7	5,351	37	6	42	22	34	2,285	1,962	16.5
Clarion	3,060	2,972	3.0	3,030	0	10	5	15	33	1,345	1,164	15.5
Clear Lake	7,458	6,430	16.0	7,376	14	7	17	44	70	3,731	2,650	40.8
Clinton	32,828	34,719	-5.4	31,950	530	79	153	116	174	12,895	11,868	8.7
Clive	5,906	3,005	96.5	5,757	41	5	65	38	46	2,292	936	144.9
Coralville	7,687	6,130	25.4	7,330	167	23	107	60	83	3,672	2,199	67.0
Council Bluffs	56,449	60,348	-6.5	55,303	415	140	180	411	987	21,949	19,750	11.1
Cresco	3,860	3,927	-1.7	3,844	2	3	9	2	6	1,646	1,440	14.3
Creston	8,429	8,234	2.4	8,384	16	3	20	6	22	3,642	3,229	12.8
Davenport	103,264	98,469	4.9	94,641	6,296	255	551	1,521	2,859	40,294	33,466	20.4
Decorah	7,991	7,237	10.4	7,742	88	0	34	127	27	2,653	2,059	28.8
Denison	6,675	6,218	7.3	6,541	8	5	43	78	45	2,568	2,167	18.5
Des Moines	191,003	201,404	-5.2	172,618	13,054	556	1,596	3,179	3,523	79,913	72,639	10.0
DeWitt	4,512	3,647	23.7	4,495	1	3	6	7	22	1,789	1,290	38.7
Dubuque	62,321	62,309	*	61,689	219	52	194	167	359	22,160	18,030	22.9
Dyersville	3,825	3,437	11.3	3,814	0	0	3	8	13	1,334	1,009	32.2
Eagle Grove	4,324	4,489	-3.7	4,263	0	5	45	11	10	1,736	1,599	8.6
Eldora	3,063	3,223	-5.0	3,042	0	3	10	8	20	1,340	1,151	16.4
Eldridge	3,279	1,535	113.6	3,261	8	1	3	6	13	1,034	435	137.7
Emmettsburg	4,621	4,150	11.3	4,591	6	2	7	15	31	1,805	1,445	24.9
Estherville	7,518	8,108	-7.3	7,441	9	8	26	34	37	3,075	2,644	16.3
Evansdale	4,798	5,038	-4.8	4,730	11	27	12	18	45	1,669	1,462	14.2
Fairfield	9,428	8,715	8.2	9,248	64	14	30	72	81	3,445	3,237	6.7
Forest City	4,270	3,841	11.2	4,217	27	3	5	18	36	1,694	1,289	31.4
Fort Dodge	29,423	31,263	-5.9	28,337	769	25	108	184	368	11,636	10,693	8.8
Fort Madison	13,520	13,996	-3.4	12,532	574	35	66	313	612	5,328	4,998	6.6
Garner	2,908	2,257	28.8	2,890	4	0	2	12	21	1,063	837	27.0
Glenwood	5,280	4,421	19.4	5,246	10	2	15	7	34	1,759	1,291	36.3
Grinnell	8,868	8,402	5.5	8,670	58	16	66	58	48	3,279	2,792	17.4
Harlan	5,357	5,049	6.1	5,322	2	1	16	16	29	2,212	1,778	24.4
Hampton	4,630	4,376	5.8	4,552	6	1	4	67	99	2,016	1,764	14.3
Hawarden	2,722	2,789	-2.4	2,676	11	31	1	3	10	1,120	997	12.3
Hiawatha	4,825	2,416	99.7	4,772	24	10	13	6	39	1,989	709	180.5
Humboldt	4,794	4,665	2.8	4,780	1	4	6	3	11	2,024	1,611	25.6
Independence	6,392	5,910	8.2	6,340	2	8	27	15	30	2,463	2,074	18.8
Indianola	16,843	8,852	22.5	10,694	69	10	52	18	30	4,104	2,833	44.9
Iowa City	50,508	46,850	7.8	47,678	990	81	1,162	597	593	19,235	15,481	24.2
Iowa Falls	6,174	6,454	-4.3	6,078	45	11	22	18	18	2,444	2,259	8.2
Jefferson	4,854	4,735	2.5	4,819	2	9	20	4	6	2,024	1,824	11.0
Johnston	2,617	222	1079.0	2,599	4	0	7	7	15	1,013	54	1776.0
Keokuk	13,536	14,631	-7.5	12,930	468	15	84	39	88	5,667	5,309	6.7
Knoxville	8,143	7,755	5.0	8,030	19	10	49	35	75	3,141	2,506	25.3
Lamoni	2,705	2,540	6.5	2,622	26	7	28	22	39	850	708	20.1
LeClaire	2,899	2,520	15.0	2,871	1	3	9	15	28	1,035	765	35.3
LeMars	8,276	8,159	1.4	8,193	41	2	22	18	37	3,095	2,603	18.9
Manchester	4,942	4,641	6.5	4,920	1	1	7	13	24	2,045	1,704	20.0
Maquoketa	6,313	5,677	11.2	6,288	1	3	17	4	24	2,655	2,090	27.0
Marion	19,474	18,028	8.0	19,234	57	39	95	49	86	7,194	5,522	30.3
Marshalltown	26,938	26,219	2.7	26,260	259	55	135	229	216	10,771	9,127	18.0
Mason City	30,144	30,379	-0.8	29,439	201	31	105	368	804	12,617	10,672	18.2
Missouri Valley	3,107	3,519	-11.7	3,098	0	6	2	1	2	1,321	1,233	7.1
Monticello	3,641	3,509	3.8	3,635	0	1	3	2	8	1,492	1,169	27.6
Mount Pleasant	7,322	7,007	4.5	7,087	121	15	47	52	42	2,823	2,396	17.8
Mount Vernon	3,325	3,018	10.2	3,226	41	2	36	20	21	1,006	716	40.5
Muscatine	23,467	22,405	4.7	22,271	167	34	95	900	1,297	8,975	7,742	15.9
Nevada	5,912	4,952	19.4	5,875	6	2	13	16	26	2,402	1,792	34.0
New Hampton	3,940	3,621	8.8	3,922	0	4	4	10	6	1,588	1,216	30.6
Newton	15,292	15,619	-2.1	15,154	17	19	45	57	100	6,471	5,625	15.0
Norwalk	2,676	1,745	53.4	2,647	9	1	15	4	14	861	499	72.5
Oelwein	7,564	7,735	-2.2	7,479	8	5	14	58	144	3,069	2,817	8.9
Onawa	3,283	3,154	4.1	3,267	0	8	4	4	14	1,396	1,211	15.3
Orange City	4,588	3,572	28.4	4,527	14	6	9	32	9	1,529	1,154	32.5
Osage	3,718	3,815	-2.5	3,710	0	0	8	0	10	1,610	1,386	16.2
Osceola	3,750	3,124	20.0	3,727	4	2	12	5	13	1,806	1,376	31.3
Oskaloosa	10,629	11,224	-5.3	10,363	109	19	33	105	54	4,605	4,292	7.3
Ottumwa	27,381	29,610	-7.5	26,937	255	30	63	96	125	11,459	11,158	2.7
Pella	8,349	6,668	25.2	8,086	53	5	88	117	49	3,070	2,132	44.0
Perry	7,053	6,906	2.1	6,980	32	1	29	11	77	2,980	2,650	12.5
Pleasant Hill	3,493	1,535	127.6	3,388	31	9	48	17	49	1,182	401	194.8
Red Oak	6,810	6,210	9.7	6,760	8	4	13	25	15	3,021	2,537	19.1
Rock Rapids	2,693	2,632	2.3	2,667	1	0	3	22	7	1,182	1,018	16.1
Rock Valley	2,706	2,205	22.7	2,660	4	1	15	26	17	994	725	37.1
Sac City	3,000	3,268	-8.2	2,997	1	0	0	2	11	1,284	1,205	6.6
Sheldon	5,003	4,535	10.3	4,986	2	2	5	8	16	1,955	1,597	22.4
Shenandoah	6,274	5,968	5.1	6,225	0	8	12	29	47	2,834	2,444	16.0
Sibley	3,051	2,749	11.0	3,040	2	6	2	1	2	1,234	1,031	19.7
Sioux Center	4,588	3,450	33.0	4,528	4	13	22	21	12	1,470	957	53.6
Sioux City	82,003	85,925	-4.6	78,861	1,118	1,135	291	598	1,081	32,007	29,197	9.6
Spencer	11,726	10,078	14.1	11,616	1	25	27	57	37	4,803	3,689	30.2
Spirit Lake	3,976	3,014	31.9	3,941	0	11	3	21	15	1,717	1,196	43.6
Storm Lake	8,814	8,591	2.6	8,729	6	3	12	64	39	3,363	2,933	14.7
Story City	2,762	2,104	31.3	2,732	1	1	4	24	1	1,137	804	41.4
Tama	2,968	3,000	-1.1	2,866	1	82	7	12	14	1,194	1,083	10.2
Tipton	3,055	2,877	6.2	3,033	0	3	10	9	6	1,317	1,067	23.4
Urbandale	17,869	14,434	23.8	17,479	140	17	172	61	97	6,908	4,276	61.5
Vinton	5,040	4,845	4.0	5,017	1	11	5	6	21	2,157	1,770	21.9
Washington	6,584	6,317	4.2	6,540	5	5	28	6	37	2,772	2,441	13.6
Waterloo	75,985	75,533	0.6	66,953	8,239	150	312	331	586	29,545	25,301	16.8
Waukon	3,983	3,883	2.6	3,961	0	1	3	18	12	1,654	1,369	20.8
Waverly	8,444	7,205	17.2	8,335	32	4	47	26	27	2,985	2,267	31.7
Webster City	8,572	8,488	1.0	8,503	2	8	33	26	47	3,433	3,073	11.7
West Burlington	3,371	3,139	7.4	3,333	26	1	8	3	12	1,466	1,045	40.3
West Des Moines	21,894	16,441	33.2	21,272	243	13	136	230	465	8,927	5,061	76.4
West Liberty	2,723	2,296	18.6	2,457	2	0	11	253	503	1,042	812	28.3
West Union	2,783	2,624	6.1	2,777	1	0	5	0	18	1,118	953	17.3
Wilton	2,502	1,873	33.6	2,486	0	2	2	12	18	963	670	43.7
Windsor Heights	5,632	6,303	-10.6	5,544	26	7	37	18	35	2,267	2,040	11.1
Winterset	4,021	3,654	10.0	3,989	3	4	8	17	9	1,732	1,478	17.2

*Indicates no change in population from 1970-80.
Source: 1980 U.S. Census. Compiled by Research Division, Iowa Development Commission.

1980 population for Iowa's counties, cities and towns[1]

	1980	1970
ADAIR COUNTY	9,509	9,487
Adair	883	750
Bridgewater	233	188
Casey	473	561
Fontanelle	805	752
Greenfield	2,243	2,212
Orient	416	324
Stuart	1,650	1,354
ADAMS COUNTY	5,731	6,322
Carbon	110	135
Corning	1,939	2,095
Lenox	1,338	1,215
Nodaway	185	176
Prescott	349	305
ALLAMAKEE COUNTY	15,108	14,968
Harpers Ferry	258	227
Lansing	1,181	1,227
New Albin	609	644
Postville	1,475	1,546
Waterville	157	158
Waukon	3,983	3,883
APPANOOSE COUNTY	15,511	15,007
Centerville	6,558	6,531
Cincinnati	598	570
Exline	217	224
Moravia	706	699
Moulton	762	763
Mystic	665	696
Numa	205	165
Plano	111	109
Rathbun	93	113
Udell	75	71
Unionville	150	161
AUDUBON COUNTY	8,559	9,595
Audubon	2,841	2,907
Brayton	170	151
Exira	978	966
Gray	108	145
Kimballton	362	343
BENTON COUNTY	23,649	22,885
Atkins	678	581
Belle Plaine	2,903	2,810
Blairstown	695	612
Garrison	411	383
Keystone	618	549
Luzerne	114	134
Mount Auburn	188	200
Newhall	899	701
Norway	633	554
Shellsburg	771	740
Urbana	574	552
Van Horne	682	613
Vinton	5,040	4,845
Walford	285	286
BLACK HAWK COUNTY	137,961	132,916
Cedar Falls	36,322	29,597
Dunkerton	718	563
Elk Run Heights	1,186	1,175
Evansdale	4,798	5,038
Gilbertville	740	655
Hudson	2,267	1,535
Janesville	840	741
LaPorte	2,324	2,256
Raymond	655	582
Waterloo	75,985	75,533
BOONE COUNTY	26,184	26,470
Beaver	85	113
Berkley	49	56
Boone	12,602	12,468
Boxholm	267	242
Fraser	139	143
Luther	155	189
Madrid	2,281	2,448
Ogden	1,953	1,661
Pilot Mound	223	214
BREMER COUNTY	24,820	22,737
Denver	1,647	1,169
Frederika	223	190
Janesville	840	741
Plainfield	469	446
Readlyn	858	616
Sumner	2,335	2,174
Tripoli	1,280	1,345
Waverly	8,444	7,205
BUCHANAN COUNTY	22,900	21,762
Aurora	248	229
Brandon	337	432
Fairbank	980	810
Hazelton	877	626
Independence	6,392	5,910
Jesup	2,343	1,662
Lamont	554	498
Quasqueton	599	464
Rowley	275	241
Stanley	154	151
Winthrop	767	750
BUENA VISTA COUNTY	20,774	20,693
Albert City	818	683
Alta	1,720	1,717
Lakeside	589	353
Linn Grove	205	240
Marathon	442	447
Newell	913	877
Rembrandt	291	250
Sioux Rapids	897	813
Storm Lake	8,814	8,591
Truesdale	128	132
BUTLER COUNTY	17,668	16,953
Allison	1,132	1,071
Aplington	1,027	936
Aredale	88	126
Bristow	252	230
Clarksville	1,424	1,360
Dumont	815	724
Greene	1,332	1,363
New Hartford	764	690
Parkersburg	1,986	1,631
Shell Rock	1,478	1,159
CALHOUN COUNTY	13,542	14,292
Farnhamville	461	393
Jolley	91	112
Knierim	125	131
Lake City	2,006	1,910
Lohrville	521	553
Lytton	377	378
Manson	1,924	1,993
Pomeroy	895	765
Rinard	97	88
Rockwell City	2,276	2,396
Somers	220	197
Yetter	52	52
CARROLL COUNTY	22,951	22,912
Arcadia	454	414
Breda	502	518
Carroll	9,705	8,716
Coon Rapids	1,448	1,381
Dedham	321	325
Glidden	1,076	964
Halbur	229	235
Lanesboro	196	203
Lidderdale	197	173
Manning	1,609	1,656
Ralston	108	129
Templeton	319	312
Willey	94	72
CASS COUNTY	16,932	17,007
Anita	1,153	1,061
Atlantic	7,789	7,306
Cumberland	351	385
Griswold	1,176	1,181
Lewis	497	526
Marne	162	187
Massena	518	433
Wiota	181	171
CEDAR COUNTY	18,635	17,655
Bennett	458	385
Clarence	1,001	915
Durant	1,583	1,472
Lowden	717	667
Mechanicsville	1,166	989
Stanwood	705	642
Tipton	3,055	2,877
West Branch	1,867	1,322
CERRO GORDO COUNTY	48,458	49,223
Clear Lake	7,458	6,430
Doughterty	128	133
Mason City	30,144	30,379
Meservey	324	354
Plymouth	463	461
Rock Falls	148	150
Rockwell	2,706	2,205
Swaledale	286	222
Thorton	442	410
Ventura	614	543
CHEROKEE COUNTY	16,238	17,269
Aurelia	1,143	1,065
Cherokee	7,004	7,272
Cleghorn	275	274
Larrabee	169	167
Marcus	1,206	1,272
Meriden	233	167
Quimby	424	395
Washta	320	319
CHICKASAW COUNTY	15,437	14,969
Alta Vista	1,720	1,717
Bassett	128	152
Fredricksburg	1,075	912
Ionia	350	270
Lawler	534	513
Nashua	1,846	1,712
New Hampton	3,940	3,621
North Washington	142	134
CLARKE COUNTY	8,612	7,581
Murray	703	620
Osceola	3,750	3,124
Woodburn	207	186
CLAY COUNTY	19,576	18,464
Dickens	289	240
Everly	348	699
Fostoria	261	219
Gillett Grove	93	
Greenville	122	117
Peterson	470	469
Royal	522	469
Spencer	11,726	10,278
Webb	222	234
CLAYTON COUNTY	21,098	20,606
Clayton	68	113
Edgewood	900	786
Elkader	1,688	1,592
Elkport	98	87
Farmersburg	276	232
Garber	140	148
Garnavillo	723	634
Guttenberg	2,428	2,177
Littleport	106	97
Luana	246	225
McGregor	945	990
Marquette	528	509
Milville	50	27
Monona	1,530	1,395
North Buena Vista	155	118
Osterdock	35	59
St. Olaf	138	140
Strawberry Point	1,463	1,281
Volga	310	305
CLINTON COUNTY	57,122	56,749
Andover	107	90
Calamus	452	396
Camanche	4,725	3,470
Charlotte	442	444
Clinton	32,828	34,719
Delmar	633	599
DeWitt	4,512	3,647
Goose Lake	274	218
Grand Mound	674	627
Lost Nation	524	547
Low Moor	346	347
Toronto	172	145
Welton	119	104
Wheatland	840	832
CRAWFORD COUNTY	18,935	19,116
Arion	207	199
Aspinwall	65	81
Buck Grove	84	41
Charter Oak	615	715
Deloit	345	279
Denison	6,675	6,218
Dow City	771	777
Kiron	317	275
Manilla	1,020	943
Ricketts	143	141
Schleswig	868	875
Vail	490	486
Westside	387	389
DALLAS COUNTY	29,513	26,085
Adel	2,846	2,419
Bouton	139	160
Dallas Center	1,360	1,128
Dawson	229	232
DeSoto	1,035	369
Dexter	678	652
Granger	619	661
Linden	264	278
Minburn	390	378
Perry	7,053	6,906
Redfield	959	921
Van Meter	747	464
Waukee	2,227	1,577
Woodward	1,212	1,010
DAVIS COUNTY	9,104	8,207
Bloomfield	2,849	2,718
Drakesville	212	163
Floris	187	145
Pulaski	267	255
DECATUR COUNTY	9,794	9,737
Davis City	327	301
Decatur	199	198
Garden Grove	297	285
Grand River	188	211
Lamoni	2,705	2,540
Leon	2,094	2,142
LeRoy	31	43
Pleasanton	75	62
Van Wert	245	244
Welden	187	155
DELAWARE COUNTY	18,933	18,770
Colesburg	463	379
Delaware	170	153
Delhi	511	527
Dundee	164	166
DELAWARE COUNTY (cont.)		
Earlville	844	751
Edgewood	900	786
Greeley	313	323
Hopkinton	774	800
Manchester	4,942	4,641
Masonville	150	147
Oneida	61	55
Ryan	390	343
DES MOINES COUNTY	46,203	46,982
Burlington	29,529	32,366
Danville	994	948
Mediapolis	1,685	1,242
Middletown	487	443
West Burlington	3,371	3,139
DICKINSON COUNTY	15,629	12,565
Arnolds Park	1,051	970
Lake Park	1,123	918
Milford	2,076	1,668
Okoboji	559	361
Orleans	546	396
Spirit Lake	3,976	3,014
Superior	199	139
Terril	420	397
Wahpeton	372	149
West Okoboji	435	210
DUBUQUE COUNTY	93,745	90,609
Asbury	2,017	410
Balltown	107	79
Bankston	40	28
Bernard	130	148
Cascade	1,192	1,744
Centralia	106	105
Dubuque	62,321	62,309
Durango	41	55
Dyersville	3,825	3,437
Epworth	1,380	1,132
Farley	1,287	1,096
Graf	57	70
Holy Cross	310	290
Luxemburg	271	185
New Vienna	430	392
Peosta	120	57
Rickardsville	215	193
Sageville	291	338
Sherrill	208	190
Worthington	432	365
Zwingle	199	96
EMMETT COUNTY	13,336	14,009
Armstrong	1,153	1,061
Estherville	7,518	8,108
Dolliver	125	95
Gruver	145	135
Ringsted	557	509
Wallingford	256	245
FAYETTE COUNTY	25,488	26,898
Arlington	498	481
Clermont	602	582
Donnan	10	18
Elgin	702	613
Fairbank	980	810
Fayette	1,515	1,947
Hawkeye	512	529
Maynard	561	503
Oelwein	7,564	7,735
Randalia	101	81
St. Lucas	194	194
Wadena	230	237
Waucoma	308	357
Westgate	263	204
West Union	2,783	2,624
FLOYD COUNTY	19,597	19,860
Charles City	8,778	9,268
Colwell	91	100
Floyd	408	380
Marble Rock	419	461
Nora Springs	1,572	1,337
Rockford	1,012	902
Rudd	460	429
FRANKLIN COUNTY	13,036	13,255
Ackley	1,900	1,794
Alexander	190	249
Coulter	264	262
Dows	771	777
Geneva	218	201
Hampton	4,630	4,376
Hansell	138	124
Latimer	441	393
Popejoy	112	147
Sheffield	1,224	1,070
FREMONT COUNTY	9,401	9,282
Farragut	603	521
Hamburg	1,597	1,649
Imogene	188	192
Randolph	223	214
Riverton	826	758
Sidney	1,308	1,061
Tabor	1,088	957
Thurman	221	230

	1980	1970
GREENE COUNTY	12,119	12,716
Churdan	540	598
Dana	110	118
Grand Junction	970	967
Jefferson	4,854	4,735
Paton	291	329
Rippey	304	270
Scranton	748	751
GRUNDY COUNTY	14,366	14,119
Beaman	219	222
Conrad	1,133	932
Dike	987	794
Grundy Center	2,880	2,712
Holland	278	258
Morrison	146	136
Reinbeck	1,808	1,711
Stout	190	196
Wellsburg	761	754
GUTHRIE COUNTY	11,983	12,243
Bagley	370	365
Bayard	637	628
Casey	473	561
Guthrie Center	1,713	1,834
Jamacia	275	271
Menlo	410	391
Panora	1,211	982
Stuart	1,650	1,354
Yale	299	301
HAMILTON COUNTY	17,862	18,383
Blairsburg	288	287
Ellsworth	480	443
Jewell Junction	1,145	1,152
Kamrar	225	243
Randall	171	179
Stanhope	492	482
Stratford	806	710
Webster City	8,572	8,488
Williams	410	456
HANCOCK COUNTY	13,833	13,506
Britt	2,185	2,069
Crystal Lake	314	276
Corwith	480	438
Garner	2,908	2,257
Goodell	220	218
Kanawha	756	822
Klemme	620	554
Woden	287	265
HARDIN COUNTY	21,776	22,248
Ackley	1,900	1,794
Alden	953	876
Buckeye	154	143
Eldora	3,063	3,223
Hubbard	852	846
Iowa Falls	6,174	6,454
New Providence	249	208
Owasa	65	69
Radcliffe	593	548
Steamboat Rock	387	394
Union	515	484
Whitten	168	194
HARRISON COUNTY	16,348	16,240
Dunlap	1,374	1,292
Little Sioux	251	239
Logan	1,540	1,526
Magnolia	207	206
Missouri Valley	3,107	3,519
Modale	373	297
Mondamin	423	420
Persia	355	316
Pisgah	307	286
Woodbine	1,463	1,349
HENRY COUNTY	18,890	18,114
Coppock	47	58
Hillsboro	208	252
Lime Springs	476	497
Mount Pleasant	7,322	7,007
Mount Union	145	173
New London	2,043	1,900
Olds	225	206
Rome	113	135
Salem	463	458
Wayland	720	702
Winfield	1,042	897
HOWARD COUNTY	11,114	11,442
Chester	175	185
Cresco	3,860	3,927
Elma	714	601
Protivin	368	333
Riceville	919	877
HUMBOLDT COUNTY	12,246	12,519
Bode	406	372
Bradgate	151	130
Dakota City	1,072	746
Gilmore City	626	766
Hardy	72	73
Humboldt	4,794	4,665
Livermore	490	510
HUMBOLDT COUNTY (cont.)		
LuVerne	418	380
Ottosen	92	93
Pioneer	40	56
Renwick	410	429
Rutland	163	215
Thor	200	212
IDA COUNTY	8,908	9,283
Arthur	288	273
Battle Creek	919	837
Galva	420	412
Holstein	1,477	1,445
Ida Grove	2,285	2,261
IOWA COUNTY	15,429	15,419
Ladora	289	321
Marengo	2,308	2,235
Millersburg	184	187
North English	990	965
Parnell	234	175
Victor	1,046	949
Williamsburg	2,033	1,544
JACKSON COUNTY	22,503	20,839
Andrew	349	335
Baldwin	198	172
Bellevue	2,450	2,336
Green Island	103	112
LaMotte	322	326
Maquoketa	6,313	5,677
Miles	398	409
Monmouth	210	257
Preston	1,120	950
Sabula	824	845
St. Donatus	197	164
Spragueville	149	112
Springbrook	209	196
JASPER COUNTY	36,425	35,425
Baxter	951	788
Colfax	2,211	2,293
Hurstville	57	88
Kellogg	654	607
Lambs Grove	228	239
Lynville	406	381
Mingo	303	260
Monroe	1,875	1,389
Newton	15,292	15,619
Oakland Acres	139	—
Prairie	1,278	1,141
Reasnor	277	284
Sully	828	685
Valeria	80	96
JEFFERSON COUNTY	16,316	15,774
Batavia	525	525
Coppock	47	58
Fairfield	9,428	8,715
Libertyville	281	329
Lockridge	271	232
Packwood	210	157
Pleasant Plain	144	121
JOHNSON COUNTY	81,717	72,127
Coralville	7,687	6,130
Hills	547	507
Iowa City	50,508	46,850
Lone Tree	1,014	834
North Liberty	2,046	1,055
Oxford	676	666
Shueyville	287	154
Solon	969	837
Swisher	654	417
Tiffin	413	299
University Heights	1,069	1,265
JONES COUNTY	20,401	19,868
Anamosa	4,958	4,389
Cascade	1,912	1,744
Center Junction	192	172
Martelle	316	341
Monticello	3,641	3,509
Morley	94	123
Onslow	218	253
Oxford Junction	600	666
Wyoming	702	746
KEOKUK COUNTY	12,921	13,943
Delta	482	475
Gibson	75	80
Hayesville	93	93
Harper	138	173
Hedrick	847	790
Keota	1,034	1,112
Keswick	300	257
Kinross	79	98
Martinsburg	174	140
North English	990	965
Ollie	232	268
Richland	600	595
Sigourney	2,330	2,319
South English	211	218
Thornburg	103	98
What Cheer	803	868
Webster	124	130
KOSSUTH COUNTY	21,891	22,937
Algona	6,289	6,032
Bancroft	1,082	1,103
Burt	689	608
Fenton	394	403
Lakota	330	385
Ledyard	215	240
Lone Rock	169	166
Swea City	813	774
Titonka	607	599
Wesley	598	548
Whittemore	647	658
LEE COUNTY	43,106	42,996
Donnellson	972	798
Fort Madison	13,520	13,996
Franklin	142	111
Houghton	124	119
Keokuk	13,536	14,631
Montrose	1,038	735
St. Paul	141	129
West Point	1,133	1,045
LINN COUNTY	169,775	163,213
Alburnett	411	418
Bertram	216	177
Cedar Rapids	110,243	110,642
Central City	1,067	1,116
Center Point	1,591	1,456
Coggon	639	656
Ely	425	275
Fairfax	683	635
Hiawatha	4,825	2,416
Lisbon	1,458	1,329
Marion	19,474	18,028
Mt. Vernon	3,325	3,018
Palo	529	430
Prairieburg	197	182
Robins	726	663
Springville	1,165	970
Walford	285	286
Walker	733	622
LOUISA COUNTY	12,055	10,682
Columbus City	367	312
Columbus Junction	1,429	1,205
Cotter	60	55
Fredonia	224	168
Grandview	473	357
Letts	473	434
Morning Sun	959	906
Oakville	470	369
Wapello	2,011	1,873
LUCAS COUNTY	10,313	10,163
Chariton	4,987	5,009
Derby	171	161
Lucas	292	247
Russell	593	591
Williamson	410	456
LYON COUNTY	12,896	13,340
Alvord	246	204
Doon	537	437
George	1,241	1,194
Inwood	755	644
Larchwood	701	611
Lester	274	238
Little Rock	490	531
Rock Rapids	2,693	2,632
MADISON COUNTY	12,597	11,558
Bevington	60	54
Earlham	1,140	974
East Peru	124	184
Macksburg	132	142
Patterson	138	120
St. Charles	507	443
Truro	407	359
Winterset	4,021	3,654
MAHASKA COUNTY	22,507	22,177
Barnes City	266	238
Beacon	530	338
Eddyville	1,116	945
Fremont	730	480
Keomah	99	—
Leighton	137	140
New Sharon	1,225	944
Oskaloosa	10,629	11,224
Rose Hill	214	192
University Park	645	534
MARION COUNTY	29,669	26,352
Bussey	579	498
Dallas	451	438
Hamilton	163	186
Harvey	275	217
Knoxville	8,143	7,755
Marysville	84	91
Melcher	953	913
Pella	8,349	6,668
Pleasantville	1,531	1,297
Swan	102	56
MARSHALL COUNTY	41,652	41,076
Albion	739	772
Clemons	175	178
Ferguson	173	203
Gilman	642	513
Haverhill	173	160
Laurel	278	245
LeGrand	921	565
Liscomb	296	328
Marshalltown	26,938	26,219
Melbourne	732	661
Rhodes	367	347
St. Anthony	140	156
State Center	1,292	1,232
MILLS COUNTY	13,406	11,832
Emerson	502	484
Glenwood	5,280	4,421
Hastings	215	229
Henderson	236	211
Malvern	1,244	1,158
Pacific Junction	511	505
Silver City	291	272
MITCHELL COUNTY	12,329	13,108
Carpenter	109	122
McIntire	197	234
Mitchell	193	233
Orchard	95	115
Osage	3,718	3,815
Riceville	919	877
St. Ansgar	1,100	994
Staceyville	538	598
MONANA COUNTY	11,692	12,069
Blencoe	237	255
Castana	228	211
Mapleton	1,495	1,647
Moorhead	264	271
Onawa	3,283	3,154
Rodney	82	66
Soldier	257	242
Turin	103	115
Ute	479	512
Whiting	734	590
MONROE COUNTY	9,209	9,357
Albia	4,184	4,151
Eddyville	1,116	945
Lovilia	637	640
Melrose	218	192
MONTGOMERY COUNTY	13,413	12,781
Coburg	52	36
Grant	143	152
Elliott	493	423
Red Oak	6,810	6,210
Stanton	747	574
Villisca	1,434	1,402
MUSCATINE COUNTY	40,436	37,181
Atalissa	360	244
Conesville	301	295
Durant	1,583	1,472
Fruitland	461	—
Muscatine	23,467	22,405
Nichols	375	396
Stockton	240	222
Walcott	1,425	989
Wilton	2,502	1,873
West Liberty	2,723	2,296
O'BRIEN COUNTY	16,972	17,522
Archer	134	134
Calumet	212	219
Hartley	1,700	1,694
Moneta	43	41
Paulina	1,224	1,257
Primghar	1,050	995
Sanborn	1,398	1,465
Sheldon	5,003	4,535
Sutherland	897	875
OSCEOLA COUNTY	8,371	8,555
Ashton	441	483
Harris	228	195
Melvin	277	325
Ocheyedon	599	545
Sibley	3,051	2,749
PAGE COUNTY	19,063	18,537
Blanchard	101	139
Braddyville	199	207
Clarinda	5,458	5,420
Coin	316	294
Essex	1,001	770
Northboro	115	115
Shambaugh	197	178
Shenandoah	6,274	5,968
Yorktown	123	105

	1980	1970
PALO ALTO COUNTY	12,721	13,289
Ayrshire	243	243
Curlew	85	95
Cylinder	119	133
Emmetsburg	4,621	4,150
Graettinger	923	907
Mallard	407	384
Rodman	86	104
Ruthven	769	708
West Bend	941	865
PLYMOUTH COUNTY	24,743	24,322
Brunsville	140	125
Craig	105	98
Hinton	659	488
Kingsley	1,209	1,097
LeMars	8,276	8,159
Oyens	146	145
Remsen	1,592	1,367
Struble	70	59
Westfield	199	148
POCAHONTAS COUNTY	11,369	12,793
Fonda	863	980
Gilmore	626	766
Havelock	279	248
Laurens	1,606	1,792
Palmer	288	264
Plover	135	129
Pocahontas	2,352	2,338
Rolfe	796	767
Varina	122	140
POLK COUNTY	303,170	286,130
Alleman	307	—
Altoona	5,764	2,883
Ankeny	15,429	9,151
Bondurant	1,283	462
Clive	5,906	3,005
Des Moines	191,003	201,404
Elkhart	256	269
Grimes	1,973	834
Johnston	2,617	222
Mitchellville	1,530	1,341
Pleasant Hill	3,493	1,535
Polk City	1,658	715
Runnells	295	354
Sheldahl	315	285
Urbandale	17,869	14,434
West Des Moines	21,894	16,441
Windsor Heights	5,632	6,303
POTTAWATTAMIE COUNTY	86,500	86,991
Avoca	1,650	1,535
Carson	716	756
Carter Lake	3,438	3,268
Crescent	547	284
Council Bluffs	56,449	60,348
Hancock	254	228
McClelland	177	146
Macedonia	279	330
Minden	419	433
Neola	839	968
Oakland	1,552	1,603
Treynor	920	472
Underwood	448	424
Walnut	897	870
POWESHIEK COUNTY	19,306	18,803
Barnes City	266	238
Brooklyn	1,509	1,410
Deep River	323	323
Grinnell	8,868	8,402
Guernsey	83	94
Malcom	418	388
Montezuma	1,485	1,353
Searsboro	134	140
Victor	1,046	949
RINGGOLD COUNTY	6,112	6,373
Beaconsfield	39	48
Benton	33	46
Clearfield	433	430
Delphos	45	35
Diagonal	362	327
Ellston	60	76
Kellerton	278	299
Maloy	38	45
Redding	91	111
Shannon City	93	100
Tingley	210	244
SAC COUNTY	14,118	15,573
Auburn	320	329
Early	670	727
Lake View	1,291	1,249
Lytton	377	378
Nemaha	120	117
Odebolt	1,299	1,323
Sac City	3,000	3,268
Schaller	832	835
Wall Lake	892	936
SCOTT COUNTY	160,022	142,687
Bettendorf	27,381	22,126
Blue Grass	1,377	1,032
Buffalo City	1,441	1,513
Davenport	103,264	98,469
Dixon	312	276
Donahue	289	216
Durant	1,583	1,472
Eldridge	3,279	1,535
LeClaire	2,899	2,520
Long Grove	596	269
McCausland	381	226
Maysville	151	170
New Liberty	136	141
Panorama Park	145	219
Plain View	45	23
Princeton	965	633
Riverdale	462	684
Walcott	1,425	989
SHELBY COUNTY	15,043	15,528
Defiance	383	392
Earling	520	573
Elk Horn	746	667
Harlan	5,357	5,049
Irwin	427	446
Kirkman	95	72
Portsmouth	240	239
Shelby	665	537
Tennant	77	93
Westphalia	169	121
SIOUX COUNTY	30,813	27,996
Alton	986	1,018
Boyden	708	670
Chatworth	110	90
Granville	336	383
Hawarden	2,722	2,789
Hospers	655	646
Hull	1,714	1,523
Ireton	588	582
Matlock	109	89
Maurice	288	266
Orange City	4,588	3,572
Rock Valley	2,706	2,205
Sheldon	5,003	4,535
Sioux Center	4,588	3,450
STORY COUNTY	72,326	62,783
Ames	45,775	39,505
Cambridge	732	661
Collins	451	404
Colo	808	606
Gilbert	805	521
Huxley	1,884	937
Kelly	237	235
McCallsburg	304	307
Maxwell	783	758
Nevada	5,912	4,952
Roland	1,005	803
Slater	1,312	1,094
Story City	2,762	2,104
Zearing	630	535
TAMA COUNTY	19,533	20,147
Chelsea	376	381
Clutier	249	275
Dysart	1,355	1,251
Elberon	194	203
Garwin	626	563
Gladbrook	970	961
Lincoln	202	184
Montour	387	334
Tama	2,968	3,000
Toledo	2,445	2,361
Traer	1,703	1,682
Vining	96	71
TAYLOR COUNTY	8,353	8,790
Athelstan	45	65
Bedford	1,692	1,733
Blockton	280	273
Clearfield	433	430
Conway	93	91
Gravity	245	286
Lenox	1,338	1,215
New Market	554	501
Sharpsburg	114	106
UNION COUNTY	13,858	13,557
Afton	985	823
Arispe	89	93
Creston	8,429	8,234
Cromwell	157	168
Kent	70	86
Lorimer	405	346
Shannon City	93	100
Thayer	87	100
VAN BUREN COUNTY	8,626	8,643
Bonaparte	1,283	462
Cantril	299	258
Farmington	869	800
Keosauqua	1,003	1,018
Milton	567	567
Mt. Sterling	96	87
Stockport	272	334
WAPELLO COUNTY	40,241	42,149
Agency	657	610
Blakesburg	404	403
Chillicothe	131	126
Eddyville	1,116	945
Eldon	1,255	1,319
Kirkville	220	222
Ottumwa	27,381	29,610
WARREN COUNTY	34,878	27,432
Ackworth	83	111
Bevington	60	54
Carlisle	3,073	2,246
Cumming	151	189
Hartford	761	582
Indianola	10,843	8,852
Lacona	376	424
Martensdale	438	306
Milo	778	561
New Virginia	512	452
Norwalk	2,676	1,745
St. Marys	111	105
Sandyville	86	89
Spring Hill	95	131
WASHINGTON COUNTY	20,141	18,967
Ainsworth	547	445
Brighton	804	632
Coppock	47	58
Crawfordsville	290	288
Kalona	1,862	1,488
Riverside	826	758
Washington	6,584	6,317
Wellman	1,125	977
West Chester	191	199
WAYNE COUNTY	8,199	8,405
Allerton	670	643
Clio	106	113
Corydon	1,818	1,745
Humeston	671	673
Millerton	72	82
Promise City	149	148
Seymour	1,036	931
WEBSTER COUNTY	45,953	48,391
Badger	653	465
Barnum	198	147
Callendar	446	421
Clare	229	249
Dayton	941	909
Duncombe	504	418
Fort Dodge	29,243	31,263
Gowrie	1,089	1,225
Harcourt	347	305
Lehigh	654	739
Moorland	257	269
Otho	692	581
Vincent	207	204
WINNEBAGO COUNTY	13,010	12,990
Buffalo Center	1,233	1,118
Forest City	4,270	3,841
Lake Mills	2,281	2,124
Leland	274	223
Rake	283	324
Scarville	82	81
Thompson	668	600
WINNESHIEK COUNTY	21,876	21,758
Calmar	1,053	1,008
Castalia	188	210
Decorah	7,991	7,237
Ft. Atkinson	374	339
Jackson Junction	94	106
Ossian	829	847
Ridgeway	308	218
Spillville	415	361
WOODBURY COUNTY	100,884	103,052
Anthon	687	711
Bronson	289	193
Correctionville	935	870
Cushing	270	204
Danbury	492	527
Hornick	239	250
Lawton	447	406
Moville	1,273	1,198
Oto	172	203
Pierson	408	421
Salix	429	387
Sergeant Bluff	2,416	1,164
Sioux City	82,003	85,925
Sloan	978	799
Smithland	282	293
WORTH COUNTY	9,075	8,894
Fertile	372	394
Grafton	255	254
Hanlontown	213	182
Joice	223	201
Kensett	360	361
Manly	1,496	1,294
Northwood	2,193	1,950
WRIGHT COUNTY	16,319	17,294
Belmond	2,505	2,358
Clarion	3,060	2,972
Eagle Grove	4,324	4,489
Galt	60	50
Goldfield	789	722
Rowan	259	231

[1] Includes only incorporated towns. Towns and cities that are located in two counties may be listed twice.
Source: 1980 Census figures, final counts.